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HGEFTSDLGFIEFPPPPS
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                                                                                    Young A, Prickett K;
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                                                                                                    WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                       (from "seq3ags.pep")
TOIG of: aab52874 c
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 WO200066629-A1
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                                                   30-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heloderma sp.
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                 09-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                 AAB52874;
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 Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                No
No
Yes
Yes
                                                                       Selected search type is key against sequence data banks or files. Selected scope is Sequence. Selected sequence key from "mohamed337.key":

seq3 (AA) ID seq3 AA preliminary pattern

1 followed by
                                                                                                                                                                                                                                                                                                                                      File Options:
Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
                          Quick User-directed Expression Search Tool
5.4
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                                                           -- Outline of search "seq3_ags"
                                                                                                                                                                                                                                                                                                                     -- Output Parameters
                                                                                                                                                                                                                                                                                                                                                                                                                    -- Run Parameters
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No
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Time to start comparison
Notify at end of run
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52874 ; Extendin agonist compound #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure, Fig 3; 119pp; English.
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28-APR-2000; 2000WO-US011814.
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                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
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1 match found in sequence:
ab52876 ; Extendin agonist compound #4.
(from "segladg.pep")
TOIG of: aab52876 check: 3225 from: 1
                                                                                                Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obsetprity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52875 ; Extendin agonist compound #3.
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Disclosure, Fig 3; 119pp; English.
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TOIG of: aab52875 c
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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insulin-resistance syndrome, food intake.
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   aab52877 ; Extendin agonist compound #5.
   (from "seq3ags.pep")
   TOIG of: aab52877 check: 3477 from: 1
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                                                                                                                              Extendin agonist compound #4
AAB52876 standard; peptide;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                              present invention relates to extendins and their agonists which have
                                                           been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyporglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                  aab52879 ; Extendin agonist compound #7.
(from "seq3ags.pep")
TOIG of: aab52879 check: 3300 from: 1
                Disclosure, Fig 3; 119pp; English.
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 Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52878 ; Extendin agonist compound #6.
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OIG of: aab52878
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                              The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq3' (mohamed337.key)
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ab52882; Extendin agonist compound #10.
from "sedagas.ppp")
TOIG of: aab52882 check: 3312 from: 1
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                                                                                                                                                                                                              Prickett K;
                                                                                                                                                                                                                                              WPI; 2000-672834/65.
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                                 WO200066629-A1
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Heloderma sp.
                                                                     09-NOV-2000
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                                                                                                                                                                                                                Young A,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycal (PRG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                            check: 3070 from: 1
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aab52881 ; Extendin agonist compound #9.
(from "seq3ags.pep")
TOIG of: aab52881 check: 3312 from: 1
                                           match found in sequence:
aab52880 ; Extendin agonist compound #8.
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                                                                                                                                                                                                                                        Extendin agonist compound #8.
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                                                                              (from "seq3ags.pep",
TOIG of: aab52880
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Check: 3312

Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for

WPI; 2000-672834/65.

Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.

Extendin agonist compound #9.

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(first entry)

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Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                             match found in sequence:
aab52884 ; Extendin agonist compound #12
                                                                                                                                                                   AAB52884 standard; peptide; 18
                                                                                                                                                                                                                                                                                          Extendin agonist compound #12.
                                                                                                          (from "seq3ags.pep")
TOIG of: aab52884 c
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                                                                                                                                                                                                           Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                  their agonists which have
                                                                              The present invention relates to extendins and their agonists which he been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impairose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                AAB52882 Length: 18 February 4, 2005 13:04 Type: P Check: 3312 ound using 'seq3' (mohamed337.key)
treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    aab52883 ; Extendin agonist compound #11.
(from "seq3ags.pep")
TOIG of: aab52883 check: 3312 from: 1
                                        Disclosure; Fig 3; 119pp; English.
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                                                                                                                                                                                                                            Sequence 18 AA;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for
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                                                                                                                                                                                                                                                                                       glycol (PEG) polymers, modulate plasma glucose letreating disorders such as diabetes and obesity.
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28-APR-2000; 2000WO-US011814.
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                                                                                                    (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                     Young A, Prickett K;
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ab52885 ; Extendin agoni
(from "seq3ags.pep")
TOIG of: aab52885 check
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AAB52883 Length: 18 February 4, 2005 13:04 Type: P Check: 3312 ound using 'seq3' (mohamed337.key)

Found using 'seq3'

HGEFTSDLMFIEWPPPPS

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(PEG) polymers, modulate plasma glucose levels, useful for
          treating disorders such as diabetes and obesity.
                              Disclosure, Fig 3; 119pp; English.
                                                                                                                                                                                                                                                                                              AAB52887;
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                                                                                                                                                                                                                                                                           Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                   The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PBG). These can be used in the treatment of diabetes, obesity, impaired glucose treatmee, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52886; Extendin agonist compound #14
(from "seq3ags.pep")
TOIG of: aab52886 check: 3082 from: 1
                                                                                                                                                                                                                  Disclosure, Fig 3; 119pp, English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Extendin agonist compound #14.
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                                                                       28-APR-2000; 2000WO-US011814
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                                                                                                               (AMYL-) AMYLIN PHARM INC
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HGEFTSDLLFIEFPPPPS
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                                                                                                                                                                                                                                                                                                          Sequence 18 AA;
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                                WO200066629-A1
            Heloderma sp.
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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extending and their agonists which have
   The present invention relates to extendins and their agonists which he been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq3' (mohamed337.key)
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aab52887; Extendin agonist compound #15.
(from "seq3ags.pep")
(TOIG of: aab52887 check: 2382 from: 1
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                                                                                                                                                                                                                                                            Sequence 18 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     30-APR-1999;
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AAB52888

1 match

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obselty, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist, gastric motility, gastric emptying, treatment, spasm, postprandial dumping syndrome, postprandial hyperglycaemia, type 1 diabetes, impaired glucose tolerance, toxin ingestion; obesity,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB52889 Length: 18 February 4, 2005 13:04 Type: P Check: 2152 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 18
  insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Fig 3; 119pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW47550 standard; peptide; 18 AA
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                                                                                                                                                          28-APR-2000; 2000WO-US011814.
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                                                                                                                                                                                                99US-0132018P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aaw47550 ; Exendin agonist (1).
(from "seq3ags.pep")
TOIG of: aaw47550 check: 3082
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                           Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEFTSDLLFIEFAAAAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist (1).
                                                                                                                                                                                                                                                                                                                  WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 AA;
                                                                             WO200066629-A1
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Modified-site
                                                                                                                                                                                                30-APR-1999;
                                        Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-AUG-1997;
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                                                                                                                   09-NOV-2000.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW47550;
                                                                                                                                                                                                                                                                             Young A,
    Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as been modified with molecular weight increasing agents such as objectivities gived (PEG). These can be used in the treatment of diabotes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                    Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB52888 Length: 18 February 4, 2005 13:04 Type: P Check: 2592 Found using 'seq3' (mohamed337.key)
                                                                                                                                        to: 18
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                                                                           match found in sequence:
als52888; Extendin agonist compound #16.
ftrom "seqage pep")
TOIG of: aab52888 check: 2592 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 2152 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aab52889 ; Extendin agonist compound #17
                                                                                                                                                                              AAB52888 standard; peptide; 18 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Fig 3; 119pp; English.
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                                                                                                                                                                                                                                                                                                Extendin agonist compound #16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Extendin agonist compound #17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-APR-2000; 2000WO-US011814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99US-0132018P
                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
HGEFTSDLMFIEWAAAAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-672834/65.
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TOIG of: aab52889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200066629-A1
                                                                                                                                                                                                                                                                                                                                                                                           Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-APR-1999;
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Young A,

AAB52889

EXEXEXEX

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Gedulin B, Beeley NRA,
                                                                                                                                                                                                                             AAW47551 standard; peptide; 18 AA
                                                   Example 4; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                   96US-00694954
                                                                                                                                                                                                 1 match found in sequence:
  aaw47551 ; Exendin agonist (2).
  (from "seq3ags.pep")
  TOIG of: aaw47551 check: 3303
                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                          |-----|
HGEFTSDLLFIEFPPPPS
1
         Gedulin B,
                                                                                                                                                                                                                                                             Exendin agonist (2).
                   WPI; 1998-145351/13.
                                                                                                                                               Sequence 18 AA;
                                                                                                                                                                                                                                                                                                               Key
Modified-site
                                                                                                                                    hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                    08-AUG-1996;
                                                                                                                                                                                                                                                                                                                                                         08-AUG-1997;
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                                                                                                                                                                                                                                                   03-JUL-1998
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                                                                                                                                                                                                                                                                                                                                                                                         Young AA,
                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                         AAW47551;
         Young AA,
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or aphinter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; gila monster venom.
                            Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW47551 Length: 18 February 4, 2005 13:04 Type: P Check: 3303 Found using 'seq3' (mohamed337.key)
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                                                                                                                               Example 5; Fig 8; 70pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         97WO-US014199
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         aaw47552; Exendin agonist (3). (from "seq3ags.pep")
TOIG of: aaw47552 check: 3091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-JUL-1998 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist (3).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-AUG-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW47552;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stoment contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imeging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been benning.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                      Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW47550 Length: 18 February 4, 2005 13:04 Type: P Check: 3082 Found using 'seq3' (mohamed337.key)
                                                           Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 18
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/note= "amidated"
                                                             Beeley NRA,
                  (AMYL-) AMYLIN PHARM INC.
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Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired

Prickett KS;

Gedulin B, Beeley NRA,

Young AA,

WPI; 1998-145351/13

Prickett KS;

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulties or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                          February 4, 2005 13:04 Type: P Check: 3091
glucose tolerance etc., also in diagnostic investigations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 18
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/note= "amidated"
                               Example 6; Fig 8; 70pp; English.
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Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence: aaw47553; Exendin agonist (4).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist (4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (from "seq3ags.pep")
TOIG of: aaw47553 c
                                                                                                                                                                                                                                                                                                                         Sequence 18 AA;
                                                                                                                                                                                                                                                                                           hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Modified-site
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US54284286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Regulating gastrointestinal motility using exendins or their agonists - for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; glia monster venom.
                                                                                                                                                                                                                                                                                                                                      AAW47553 Length: 18 February 4, 2005 13:04 Type: P Check: 3329 Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
    aaw47554 ; Exendin agonist (5).
    (from "seq3ags.pep")
    TOIG of: aaw47554 check: 3420
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                                                                                                                                                                                                                                                                                                    Sequence 18 AA;
                                                                                                                                                                                                                                                             hyperglycaemia
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type I diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to
hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
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TOIG of: aaw47555 check: 3309
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                                                                                                                                                                                                                        Sequence 18 AA;
                                                                                                                                                                                   hyperglycaemia
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincer of oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins,
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subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of
                                                                                                                                                              AAW47555 Length: 18 February 4, 2005 13:04 Type: P Check: 3309
Found using 'seq3' (mohamed337.key)
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aaw47556; Exemdin agonist (7).
(from "seq3ags.pep")
TOIG of: aaw47556 check: 3384
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                                                                                                                                    Sequence 18 AA;
                                                                                                 hyperglycaemia
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AAW47558 Length: 18 February 4, 2005 13:04 Type: P Check: 3313
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                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
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components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                       AAW47556 Length: 18 February 4, 2005 13:04 Type: P Check: 3384 Found using 'seq3' (mohamed337.key)
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/note= "amidated"
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a447557; Exendin agonist (8).
(from "seq3ags.pep")
TOIG of: aaw47557 check: 3307
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Gila monster venom.
                                                               Sequence 18 AA;
                                       hyperglycaemia
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motility and delays gastric engutying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincer of odd), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GIP). They are GIP agonists and have been suggested (US$4284286) for treatment of diabetes and prevention of
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                                                             Type: P Check: 3307
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aaw47558; Exendin agonist (9).
(from "seq3ags.pep")
TOIG of: aaw47558 check: 3313
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Sequence 18 AA;
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nue prevenue sequence is an exerciani agoinisto, which is considered yearing motility and delays gastric emptying. It can be used to treat spaem (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, of components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GiP). They are GiP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
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                                                                                                                                                                                                                   AAW47559 standard; peptide; 18 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 13; Fig 8; 70pp; English.
(mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96US-00694954
                                                                                                                              match found in sequence:
aaw47559 ; Exendin agonist (10).
                                                                                                                                                                                                                                                                                              03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA, Gedulin B,
                                                                                                                                                                                                                                                                                                                               Exendin agonist (10).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1998-145351/13.
                                                   HGEFSTDLMFIEWPPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                             Gila monster venom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 AA;
                                                                                                                                                                 (from "seq3ags.pep")
TOIG of: aaw47559 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
 Found using 'seq3'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-AUG-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of oddi), postprandial dumping syndrome and diabetes, impaired (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stonach contents passing into the intestines, then the stonach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to suggested (GLP). They are GLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                            Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW47560 Length: 18 February 4, 2005 13:04 Type: P Check: 3319
Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Prickett KS;
                                              18
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t
                                                check: 3319 from: 1
                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beeley NRA,
                                                                                AAW47560 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                                                                          /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 14; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               97WO-US014199.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96US-00694954
match found in sequence:
aaw47560 ; Exendin agonist (11).
(from "seq3ags.pep")
                                                                                                                                                     03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1998-145351/13.
                                                                                                                                                                                   Exendin agonist (11)
                                                                                                                                                                                                                                                                           Gila monster venom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                            Key
Modified-site
                                                  TOIG of: aaw47560
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-AUG-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA,
                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                    AAW47560;
1 match
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|--------HGEFTSELMFIEWPPPPS

1 match found in sequence:

HGEFTTDLMFIEWPPPPS

ţ;

Synthetic.

AAW47561;

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with trype 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US54284286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Regulating gastrointestinal motility using exendins or their agonists - for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                 Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18 February 4, 2005 13:04 Type: P Check: 3178 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                             note= "pentylglycine"
  from: 1
                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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                                              AAW47562 standard; peptide; 18 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "amidated"
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TOIG of: aaw47562 check: 3178
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aaw47563 ; Exendin agonist (14).
                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA, Gedulin B,
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HGEFTSDXLFIBFPPPPS
18
                                                                                                                                                                                     Exendin agonist (13).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                  type 1 diabetes; in
Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW47562 Length: 18
Found using 'seq3' (mo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
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                                                                                                                                          03-JUL-1998
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                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                            AAW47562;
                                                motility and delays gastric emptying. It can be used to treat spasm motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                             Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is an exendin agonist, which reduces gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              February 4, 2005 13:04 Type: P Check: 3399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA, Gedulin B, Beeley NRA, Prickett KS;
                                                to: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           'note= "pentylglycine"
                                              from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                            AAW47561 standard; peptide; 18 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 15; Fig 8; 70pp; English.
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                                              check: 3399
  aaw47561 ; Exendin agonist (12).
                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                 Exendin agonist (12).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                                                                                     Gila monster venom.
                        (from "seq3ags.pep"
TOIG of: aaw47561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 18 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
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Prickett KS

to: 18

(from "seq3ags.pep")
TOIG of: aaw47563 check: 3411 from: 1

aaw47562 ; Exendin agonist (13).
(from "seq3ags.pep")

1 match found in sequence:

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphinter of Odd), postprandial dumping syndrome, and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obseity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (USS-44286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                         Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                              'note= "pentylglycine"
                                                                                                                                                                                                                                            Location/Qualifiers
AAW47563 standard; peptide; 18 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 17; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                             /note= "amidated"
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                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA, Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1998-145351/13.
                                                                                                   Exendin agonist (14)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hyperglycaemia
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Modified-Bite
                                                                                                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                              08-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                               WO9805351-A1
                                                                  03-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                               12-FEB-1998
                                                                                                                                                                                                                    Synthetic.
                                     AAW47563;
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AAW47563 Length: 18 February 4, 2005 13:04 Type: P Check: 3411 Found using 'seq3' (mohamed337.key)

HGEFTSDLXFIEWPPPPS 1

from: 1 match found in sequence:
aaw47564; Exendin agonist (15).
(from "seq3ags.pep")
TOIG of: aaw47564 check: 3190

to: 18

AAW47564 standard; peptide; 18 AA

Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations. Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gedulin B, Beeley NRA, Prickett KS; 'note= "pentylglycine" Location/Qualifiers /note= "amidated" Example 18; Fig 8; 70pp; English. 97WO-US014199. 96US-00694954 (AMYL-) AMYLIN PHARM INC. Exendin agonist (15). WPI; 1998-145351/13. Gila monster venom. Key Modified-site Modified-site 08-AUG-1997; 08-AUG-1996; WO9805351-A1 03-JUL-1998 12-FEB-1998. Young AA, Synthetic. AAW47564;

The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphinoter of oddl, postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of hyperglycaemia

Sequence 18 AA;

AAW47564 Length: 18 February 4, 2005 13:04 Type: P Check: 3190 Found using 'seq3' (mohamed337.key)

HGEFTSDLXFIEFPPPPS 1

to: 18 check: 3492 from: 1 1 match found in sequence:
aaw47565; Exemin agonist (16).
ffrom "se, pep")
TOIG of: aaw47565 check: 3492

AAW47565 standard; peptide; 18 AA

AAW47565;

Synthetic

Young AA,

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obssity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation,
                                           Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Regulating gastrointestinal motility using exendins or their agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for treating spasm, diabetic postprandial hyperglycaemia, impaired
glucose tolerance etc., also in diagnostic investigations.
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Found using 'seq3' (mohamed337.key)
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t
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                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAW47567 standard; peptide; 18 AA
                                                                                                                                                                                                                                                          /note= "amidated"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gedulin B,
  Exendin agonist (17).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist (18).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1998-145351/13.
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                                                                                                                   Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (from "seq3ags.pep"
TOIG of: aaw47567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 18 AA;
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                                                                                                                                                                                                                                  Modified-site
                                                                                                                                                                                                                                                                                                                                                                                             08-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                               Synthetic
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  The present sequence is an exendin agonist, which reduces yastic motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, subjects undergoing pastrointestinal diagnostic investigation,
                                                                                         Exendin agonist, gastric motility, gastric emptying, treatment, spasm, postprandial dumping syndrome, postprandial hyperglycaemia, type 1 diabetes, impaired glucose tolerance, toxin ingestion, obesity,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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aaw47566; Exendin agonist (17).
(from "seq3ags.pep")
TOIG of: aaw47566 check: 3455
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(first entry)
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                                             Exendin agonist (16)
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                                                                                                                                         type 1 diabetes; in
Gila monster venom.
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Modified-site
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  03-JUL-1998
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motility and delays gastric emptying. It can be used to treat spasm motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincers of Goddi, postpandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
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                                                                                                                                                                                                                                                                         Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                     present sequence is an exendin agonist, which reduces gastric
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aaw47568; Exendin agonist (19).
(from "seq3ags.pep")
TOIG of: aaw47568 check: 3477 from: 1
                                                     Location/Qualifiers
18.
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                                                                                    /note= "amidated"
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                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
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HGEFTSDLLFVEFPPPPS
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Gila monster venom.
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Modified-site
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to suggested (USS424286) for treatment of diabetes and prevention of
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                                                                     'note= "tert-butylglycine"
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    aw47569; Exendin agonist (20).
    arom "sedagas.pep"
    Tolg of: aaw47569 check: 3247 from: 1
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                                                                                                                                          /note= "amidated"
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HGEFTSDIMPXEWPPPPS
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 The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US54286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist, gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
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                                                                                                                                                                          Prickett KS;
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11
/note= "tert-butylglycine"
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                                 /note= "amidated'
                                                                                                                          96US-00694954
                                                                                                      97WO-US014199
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    aaw47570; Exendin agonist (21).
    (from "seq3ags.pep")
    TOIG of: aaw47570 check: 3300
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                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with trype 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US54284286) for treatment of diabetes and prevention of
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97WO-US014199
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TOIG of: aaw47571 check: 3070
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Modified-site
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                                                                                                                                                                                                                                                                                         Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                                                                                                                                          Prickett KS
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                                                                                                                                                                                          Beeley NRA,
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                              97WO-US014199
                                                                                   96US-00694954
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(from "seq3ags.pep")
TOIG of: aaw47572 check: 3808
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                                                                                                                                     (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                             Gedulin B,
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18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist (23).
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                                                                                                                                                                                                                                               WPI; 1998-145351/13.
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Modified-site
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                                 08-AUG-1997;
                                                                                   08-AUG-1996;
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                                                                                                                                                                                               Young AA,
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stoomach contents passing into the intestines, then the stoomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation.
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                                                                                                                                                                                                                                                                                                                                                                                    Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
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                                                                                                                                                                                                                                                                Beeley NRA, Prickett KS;
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                                                                  97WO-US014199.
                                                                                                                                     96US-00694954
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TOIG of: aaw47573 check: 3696
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Gila monster venom.
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12-FEB-1998.
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'note= "thioproline"

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitie or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA, Gedulin B, Beeley NRA, Prickett KS
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TOIG of: aaw47575 check: 3312 from: 1
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aaw47575 ; Exendin agonist (26)
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  The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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/note= "amidated"
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TOIG of: aaw47574 check: 3312
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, subjects undergoing gastrointestinal diagnostic investigation, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
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                                                                                                                                                                                  12-FEB-1998
                                                                                                                                                                                                                                                                                                                      Young AA,
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AAW47575 Length: 18 February 4, 2005 13:04 Type: P Check: 3312 Found using '9eg3' (mohamed337.key)
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|-----| HGEFTSDLMFIEWPPPPS 1

1 match found in sequence:
 aaw47576; Exendin agonist (27).
 farom "seq3ags.pep")
 TOIG Of: aaw47576 check: 3578 from: 1

AAW47576 standard; peptide; 18 AA

to: 18

Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom. 03-JUL-1998 (first entry) Exendin agonist (27) AAW47576;

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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of oddi), postprandial dumping syndrome and diabetes, impaired (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to subgested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                 Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                           Beeley NRA, Prickett KS;
                                                                                                                                       /note= "thioproline"
                                          'note= "thioproline"
                                                                          /note= "thioproline"
                                                                                                         'note= "thioproline"
           Location/Qualifiers
                                                                                                                                                                      /note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 30; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                    97WO-US014199.
                                                                                                                                                                                                                                                                                                 96US-00694954
                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                              Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1998-145351/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperglycaemia
                  Key
Modified-site
                                                            Modified-site
                                                                                          Modified-site
                                                                                                                         Modified-site
                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                    08-AUG-1997;
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                                                                                                                                                                                                     WO9805351-A1
                                                                                                                                                                                                                                    12-FEB-1998.
                                                                                                                                                                                                                                                                                                                                                                Young AA,
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AAW47576 Length: 18 February 4, 2005 13:04 Type: P Check: 3578 Found using 'seq3' (mohamed337.key)

HGEFTSDLLFIBFXXXXS

18 ; ; from: 1 AAW47577 standard; peptide; 18 AA check: 3082 1 match found in sequence:
aaw47577; Exendin agonist (28)
(from "seq3ags.pep")
TOIG of: aaw47577 check: 3082 (first entry) Exendin agonist (28). 03-JUL-1998 AAW47577;

Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia;

Synthetic.

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Exendin agonist (29).
 The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emprying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obseity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation,
type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                    Regulating gastrointestinal motility using exendins or their agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (CLP). They are CLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                               for treating spasm, diabetic postprandial hyperglycaemia, impaired
glucose tolerance etc., also in diagnostic investigations.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAW47577 Length: 18 February 4, 2005 13:04 Type: P Check: 3082
Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                         Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 18
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                                                    Location/Qualifiers
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                                                                                                                                                             note= "amidated"
                                                                                                                                                                                                                                                                                                                                                                             Example 31; Fig 8; 70pp; English.
                                                                                                                                                                                                                           97WO-US014199.
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                                                                       label= Hyp
                                                                                             label= Hyp
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                                                                                                                                       label= Hyp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 2382
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aaw47578 ; Exendin agonist (29).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                           Gedulin B,
                                                                                                                                                                                                                                                                                                                WPI; 1998-145351/13.
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TOIG of: aaw47578 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hyperglycaemia
                                                              Modified-site
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                                                                                                                                                 Modified-site
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                               Synthetic
                                                                                                                                                                                                                                                                                            foung AA,
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motifity and delays gastric emptying. It can be used to treat spasm motifity and delays gastric emptying. It can be used to treat spasm tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (USS424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type I diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       present sequence is an exendin agonist, which reduces gastric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Check: 2382
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Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prickett KS;
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                                                                                                                                                                                                                               Location/Qualifiers
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                                                                                                                                                                                                                                                                                              label= MeAla
                                                                                                                                                                                                                                                                                                                                                              label= MeAla
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aaw47579; Exendin agonist (30).
(from "seq3ags.pep")
TOIG of: aaw47579 check: 2592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                      Synthetic.
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The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
                                                                                    Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett KS;
                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 33; Fig 8; 70pp; English.
                                                                                                                                                                                                                                                                                                                                 /note= "amidated"
                                                                                                                                                                                                                                     label= MeAla
                                                                                                                                                                                                                                                                     label= MeAla
                                                                                                                                                                                                                                                                                                    label= MeAla
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                               03-JUL-1998 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gedulin B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1998-145351/13.
                                                           Exendin agonist (30)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18 AA;
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Modified-site
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                                                                                                                                                                         Synthetic.
AAW47579;
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Check: 2592
AAW47579 Length: 18 February 4, 2005 13:04 Туре: Р
Found using 'seg3' (mohamed337.key)
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HGEFTSDLMFIEWPAAAS
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check: 2152 from: 1
match found in sequence:
aaw47580; Exendin agonist (31)
(from "seq3ags.pep")
TOIG of: aaw47580 check: 2152
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to: 18

Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Location/Qualifiers AAW47580 standard; peptide; 18 AA. label= MeAla label= MeAla (first entry) Exendin agonist (31) Gila monster venom. Key Modified-site Modified-site Modified-site 03-JUL-1998 Synthetic AAW47580;

WO9805351-A1 12-FEB-1998.

/note= "amidated"

label= MeAla

Modified-site

Modified-site

label= MeAla

97WO-US014199 96US-00694954 08-AUG-1997;

Prickett KS; Beeley NRA, Gedulin B, Young AA,

(AMYL-) AMYLIN PHARM INC.

08-AUG-1996;

WPI; 1998-145351/13

Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.

Example 34; Fig 8; 70pp; English.

The present sequence is an exendin agonist, which reduces gastric motility and delays gastric emptying. It can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and diabetes, impaired [particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. It can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some sequence similarity to components of Gila monster venom, have some sequence similarity to suggested (USS424286) for treatment of diabetes and prevention of hyperglycaemia

Sequence 18 AA;

AAW47580 Length: 18 February 4, 2005 13:04 Type: P Check: 2152 Found using 'seq3' (mohamed337.key)

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HGEFTSDLLFIEFAAAAS
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1 match found in sequence:

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diagnostic; gastro-intestinal; radiological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       found in sequence:
                                                                                                                                                                                                             WPI; 1999-180403/15
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                Found using 'seq3'
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Modified-site
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Modified-site
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                                                                                   WO9907404-A1
                                                                                                       18-FEB-1999.
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                      Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY03723;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match
  The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                       New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY03721 Length: 18 February 4, 2005 13:04 Type: P Check: 3082 Found using 'seq3' (mohamed337.key)
                                                                                                                         Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal, radiological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; diabetes; disorder; plasma glucose; gastric;
                      to: 18
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                     from: 1
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                                                                                                                                                                         Location/Qualifiers
18
                                                                                                                                                                                                                                                                                                                                                                                           Claim 17; Fig 1A-B; 70pp; English.
                                         18 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY03722 standard; peptide; 18 AA
aay03721; Exendin agonist compound 1. (from "seq3ags.pep")
TOIG of: aay03721 check: 3082 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
    aay03722 ; Exendin agonist compound 2.
from "seq3ags.pep")
    TOIG of: aay03722 check: 3303 from:
                                                                                                                                                                                                                                                                98WO-US016387
                                                                                                                                                                                                                                                                                    97US-0055404P
                                         AAY03721 standard; peptide;
                                                                                                      Exendin agonist compound 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist compound 2
                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                             Prickett KS;
                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
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HGEFTSDLLFIEFPPPPS
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Modified-site
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                                                                                                                                                                                                                                                                                                                             Beeley NRA,
                                                                                   08-JUN-1999
                                                                                                                                                                                                                                           18-FEB-1999
                                                                                                                                                           Synthetic
                                                              AAY03721;
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                                           EXXXXXX
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY03722 Length: 18 February 4, 2005 13:04 Type: P Check: 3303 ound using 'seg3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 18
                                                                      /note= "C-terminal amide"
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Location/Qualifiers
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(from "seq3ags.pep")
TOIG of: aay03723 check: 3091 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Beeley NRA, Prickett KS;
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seq3_ags.res

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                                                      New exendin agonists - useful in the treatment of Type I and II diabetes.
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/note= "C-terminal amide"
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of: aay03724 check: 3329 from: 1
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aay03724 ; Exendin agonist compound 4.
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                                        (AMYL-) AMYLIN PHARM INC
                                                                    Prickett
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Modified-site
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                                                                     Beeley
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal. radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examinations. Sequences accompands of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
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aay03725; Exendin agonist compound 5.
(from "seq3ags.pep")
TOIG of: aay03725 check: 3420 from:
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Modified-site
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AAY03725 Length: 18 February 4, 2005 13:04 Type: P Check: 3420

seq3_ags.res

Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal, radiological.

Exendin agonist compound 7.

(first entry)

08-JUN-1999

AAY03727;

"C-terminal amide"

/note=

WO9907404-A1 18-FEB-1999 98WO-US016387 97US-0055404P

06-AUG-1998; 08-AUG-1997;

'note= "naphthylalanine"

Location/Qualifiers

Key Modified-site Modified-site

Synthetic.

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV3720 for exendin generic peptide formula and description)
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Found using 'seq3' (mohamed337.key)
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                                                                                                                        aay03726 ; Exendin agonist compound 6.
(from "seq3ags.pep")
TOIG of: aay03726 check: 3309 from:
                                                                                                                                                                                         AAY03726 standard; peptide; 18 AA
Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Prickett KS;
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                                            HGEFTSDLMFIEWPPPPY
                                                                                                          1 match found in sequence:
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                  Synthetic
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New exendin agonists - useful in the treatment of Type I and II diabetes.

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Beeley NRA, Prickett

WPI; 1999-180403/15

(AMYL-) AMYLIN PHARM INC.

Claim 17; Fig 1A-B; 70pp; English.

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          compound 8.
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TOIG of: aay03728
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to: 18

from: 1

AAY03727 standard; peptide; 18 AA

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1 match found in sequence:
aay33727; Exendin agonist compound 7.
(from "seq3ags.pep")
TOIG of: aay03727 check: 3384 from:

HGDFTSDLMFIEWPPPPS 1

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAYO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAYO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which
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                                                                                       New exendin agonists - useful in the treatment of Type I and II diabetes.
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                                                                                                                       Claim 17; Fig 1A-B; 70pp; English.
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aay03730 ; Exendin agonist compound 10.
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(AMYL-) AMYLIN PHARM INC.
                            Beeley NRA, Prickett KS;
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TOIG of: aay03730
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Modified-site
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 CCCXBXBXBXBXBXBXBXBXBXBXBXBXXBXXBXXBXCXCX
                                                                                                                                                                                                                                                                                                                                                 The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAX03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAX03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                           New exendin agonists - useful in the treatment of Type I and II diabetes.
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/note= "C-terminal amide"
                                              /note= "C-terminal amide"
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      Location/Qualifiers
18
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aay03729; Exendin agonist compound 9.
(from "seq3ags.pep")
TOIG of: aay03729 check: 3313 from:
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                                                                                                                                                                                                                                  Prickett KS;
                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
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                   Key
Modified-site
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to: 18

from: 1

18 AA

AAY03732 standard; peptide;

08-JUN-1999 (first entry)

AAY03732;

HGEFTSELMFIEWPPPPS

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l match found in sequence:
aay03732 ; Exendin agonist compound 12.
(from "seq3ags.pep")
TOIG of: aay03732 check: 3408 from:
                                                                          1 match
               agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also
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lower plasma glucose levels, and disorders which would be benefited by
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                                                                                                                                                                    AAY03730 Length: 18 February 4, 2005 13:04 Type: P Check: 3318 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin, agonist, diabetes, disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
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                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
aay03731 ; Exendin agonist compound 11.
(from "seq3ags.pep")
TOIG of: aay03731 check: 3319 from:
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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                                                                                                                     Exendin, agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
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t
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aay03733 ; Exendin agonist compound 13.
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                                                                                        Exendin agonist compound 12
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TOIG of: aay03733
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAX03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAX03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                               New exendin agonists - useful in the treatment of Type I and II diabetes.
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                                                                           "C-terminal amide"
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                                       "pentylglycine"
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Location/Qualifiers
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aay03735 ; Exendin agonist compound 15.
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TOIG of: aay03735
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Modified-site
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Modified-site
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 EXBXEXEXETELEEX8XEXEXBX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New exendin agonists - useful in the treatment of Type I and II diabetes.
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diagnostic; gastro-intestinal; radiological.
                                                                                                                 Exendin; agonist; diabetes; disorder; plasma glucose; gastric;
diagnostic; gastro-intestinal; radiological.
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/note= "C-terminal amide"
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aay03734; Exendin agonist compound 14.
(from "seq3ags.pep")
TOIG of: aay03734 check: 3411 from:
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                                                                             Exendin agonist compound 13
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 AAY03733;
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Claim 17; Fig 1D-E; 70pp; English.
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                                                                                       New exendin agonists - useful in the treatment of Type I and II diabetes.
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/note= "C-terminal amide"
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aay03736; Exendin agonist compound 16.
(from "seq3ags.pep")
TOIG of: aay03736 check: 3492 from:
                                                                                                           Claim 17; Fig 1D-E; 70pp; English.
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                            (AMYL-) AMYLIN PHARM INC.
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                                                Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                            08-JUN-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Beeley NRA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO371-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY03736 Length: 18 February 4, 2005 13:04 Type: P Check: 3492 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin, agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
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18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . match found in sequence:
aay03737; Exendin agonist compound 17.
[from seq3ags.pep"]
TOIG of: aay03737 check: 3455 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 17; Fig 1D-E; 70pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 AA;
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'note= "tert-butylglycine" /note= "C-terminal amide"

98WO-US016387 97US-0055404P

Location/Qualifiers

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New exendin agonists - useful in the treatment of Type I and II diabetes.
                                                                                       Exendin, agonist, diabetes, disorder, plasma glucose, gastric;
diagnostic; gastro-intestinal; radiological.
AAY03739 standard; peptide; 18 AA.
                                                                   Exendin agonist compound 19
                                            08-JUN-1999 (first entry)
                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                   Key
Modified-site
                                                                                                                                                                                   Modified-site
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                                                                                                                                                                                                                                            18-FEB-1999.
                                                                                                                                                                                                                                                                                                                                     Beeley NRA,
                                                                                                                            Synthetic
                       AAY03739;
The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetee, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New exendin agonists - useful in the treatment of Type I and II diabetes.
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   Check: 3455
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Found using 'seq3' (mohamed337.key)
   2005 13:04 Type: P
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/note= "C-terminal amide"
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aay03739; Exendin agonist compound 19.
(from "seq3ags.pep")
TOIG of: aay03739 check: 3477 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 17; Fig 1D-E; 70pp; English.
                                                                                                         aay03738 ; Exendin agonist compound 18.
                                                                                                                                                     AAY03738 standard; peptide; 18 AA
  AAY03737 Length: 18 February 4, Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                       97US-0055404P
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                                                                                                                               check: 3225
                                                                                                                                                                                                   (first entry)
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                                               HGEFTSDLMFVEWPPPPS
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                                                                                              1 match found in sequence:
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TOIG of: aay03738
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Modified-site
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                                                                                                                                                                                                                                                                                   Synthetic
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed sastric emptying is a useful diagnostic ald in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY03739 Length: 18 February 4, 2005 13:04 Type: P Check: 3477 Found using 'seq3' (mohamed337.key)
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Claim 17; Fig 1D-E; 70pp; English.
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aay03740 ; Exendin agonist compound 20.
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TOIG of: aay03740
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examinations. Sequences AAY03721-51 represent specifically see AAY03720 for exendin generic peptide formula and description. (Also
                                                                                                                                                                                      New exendin agonists - useful in the treatment of Type I and II diabetes.
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TOIG of: aay03742 check: 3091 from:
                                                                                                                                                                                                                          Claim 17; Fig 1D-E; 70pp; English
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98WO-US016387
                                   97US-0055404P.
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                                                                                                            Beeley NRA, Prickett KS;
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                                                                      (AMYL-) AMYLIN PHARM INC
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Modified-site
06-AUG-1998;
                                   08-AUG-1997;
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAVO3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAVO3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                   New exendin agonists - useful in the treatment of Type I and II diabetes
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                                                                                      'note= "tert-butylglycine"
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18
/note= "C-terminal amide"
                                                                                                                           /note= "C-terminal amide"
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                                                   Location/Qualifiers
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aay03741; Exendin agonist compound 21.
(from "seq3ags.pep")
TOIG of: aay03741 check: 3300 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 17; Fig 1D-E; 70pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist compound 21
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Modified-site
                                                                      Modified-site
                                                                                                          Modified-site
                                                                                                                                                                 WO9907404-A1
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               Synthetic
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                                                       Key
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type 1 and II diabetees, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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Sequence 18 AA;

P Check: 3091 AAY03742 Length: 18 February 4, 2005 13:04 Type: Found using '8eg3' (mohamed337.key)

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HGEFTSDLMFIEFPPPPS
1
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to: 18 from: 1 aay03743; Exendin agonist compound 23. (from "seq3ags.pep")
TOIG of: aay03743 check: 3808 from: match found in sequence:

AAY03743 standard; peptide; 18 AA

AAY03743

(first entry) 08-JUN-1999 Exendin agonist compound 23

Exendin, agonist, diabetes, disorder, plasma glucose, gastric; diagnostic; gastro-intestinal; radiological.

Synthetic

/note= "C-terminal amide" 14. .17 /note= "thio proline" 18 Location/Qualifiers Key Modified-site Modified-Bite

WO9907404-A1

18-FEB-1999

98WO-US016387 06-AUG-1998;

08-AUG-1997;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Beeley NRA,

WPI; 1999-180403/15.

The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV3720 for exendin generic peptide formula and description) New exendin agonists - useful in the treatment of Type I and II diabetes. Claim 17; Fig 1D-E; 70pp; English

Sequence 18 AA; င္တ Type: P Check: 3808 AAY03743 Length: 18 February 4, 2005 13:04 Found using 'seq3' (mohamed337.key)

HGEFTSDLMFIEWXXXXS 1

aay03744 ; Exendin agonist compound 24 match found in sequence:

(from "seq3ags.pep") TOIG of: aay03744 check: 3696 from: 1

to: 18

AAY03744 standard; peptide; 18 AA.

AAY03744;

08-JUN-1999 (first entry)

Exendin, agonist, diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological. Exendin agonist compound 24.

Synthetic.

/note= "C-terminal amide" 15. .17 /note= "thio proline" Location/Qualifiers Key Modified-site Modified-site

WO9907404-A1

18-FEB-1999.

98WO-US016387. 06-AUG-1998; 97US-0055404P 38-AUG-1997;

(AMYL-) AMYLIN PHARM INC.

Beeley NRA, Prickett KS;

WPI; 1999-180403/15.

New exendin agonists - useful in the treatment of Type I and II diabetes.

Claim 17; Fig 1D-E; 70pp; English.

The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic and in gastro-insestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)

Sequence 18 AA;

AAY03744 Length: 18 February 4, 2005 13:04 Type: P Check: 3696 Found using 'seq3' (mohamed337.key)

HGEFTSDLMFIEWPXXXS

1 match found in sequence:

Synthetic

AAY03745;

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefitted by agents which lower plasma glucose levels, and disorders which would be benefitted by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
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                Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal, radiological.
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/note= "homo proline"
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/note= "thio proline"
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aay03747 ; Exendin agonist compound 27.
(from "seq3ags.pep")
TOIG of: aay03747 check: 3578 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 17; Fig 1D-E; 70pp; English
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Found using 'seg3' (mohamed337.key)
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   aay03746 ; Exendin agonist compound 26.
   (from "seq3ags.pep")
   TOIG of: aay03746 check: 3696 from: 1
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aay03745 ; Exendin agonist compound 25.
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                                      check: 3808
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                      (from "seq3ags.pep"
TOIG of: aay03745
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AAY03746;

8×4×4×8

Beeley NRA, Prickett KS;

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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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diagnostic, gastro-intestinal, radiological.
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/note= "homo proline"
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aay03748 ; Exendin agonist compound 28.
[from "seq3ags.pep"]
TOIG of: aay03748 check: 3578 from:
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which
                                                                                                                The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic ald in gastro-intestinal radiological examinations. Sequences AAV03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV03720 for exendin generic peptide formula and description)
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                                                     New exendin agonists - useful in the treatment of Type I and II diabetes.
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/note= "methylalanine"
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(from "seq3ags.pep")
TOIG of: aay03749 check: 2382 from:
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                                                                                          Claim 17; Fig 1D-E; 70pp; English
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18 : :

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AAY03751 standard; peptide; 18

Exendin agonist compound 31

(first entry)

08-JUN-1999

AAY03751;

aay03751 ; Exendin agonist compound 31.
(from "seq3ags.pep")
TOIG of: aay03751 check: 2152 from:

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match

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lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAY03721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAY03720 for exendin generic peptide formula and description)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          treatment of Type I and II diabetes.
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The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. Sequences AAV3721-51 represent specifically claimed examples of the exendin agonist compounds of the invention. (Also see AAV3720 for exendin generic peptide formula and description)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          and II diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length: 18 February 4, 2005 13:04 Type: P Check: 2152 ; 4eq3' (mohamed337.key)
                                                                                                              Exendin, agonist; diabetes; disorder; plasma glucose; gastric; diagnostic; gastro-intestinal; radiological.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New exendin agonists - useful in the treatment of Type I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Total Elapsed 00:00:01.00
                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                                                                  14. .17
/note= "methylalanine"
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                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 17; Fig 1D-E; 70pp; English.
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                                                                                                                                                                                                                                                                                                                                                          97US-0055404P.
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Modified-site
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                                                                                                                                                                                                                                                                                                                               06-AUG-1998;
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AAY03750 Length: 18 February 4, 2005 13:04 Type: P Check: 2592 Found using 'seg3' (mohamed337.key)

seq3_ags.res

79 79 0

Number of sequences searched: Number of sequence hits: Number of separate matches: Number of sequence hits saved:

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No
No
Yes
Yes
                                                                                                                                 Selected search type is key against sequence data banks or files. Selected scope is Sequence. Selected sequence key from "mohamed337.key": seq3 (AA) ID seq3 AA preliminary pattern
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
ah0476; TOIG of: ah0476 check: 8 from: 1 to: 466
(from "seq3pir.pep")
TOIG of: ah0476 check: 8 from: 1 to: 466
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                File Options:
                                                        Quest - Quick User-directed Expression Search Tool
Release 5.4
                                                                                                           -- Outline of search "seq3_pir"
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Find non-matching hits only
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Time to start comparison
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P1;C96601 - hypothetical protein T6H22.19 [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Accession: C96601
C;Accession: C96601
R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, C.J.; Alonso, J.; Alcar, R.; Bowman, C.L.; Brooks, S.Y.; Buehler, E.; Chan, A.; Chao, Q.; Chen, H.; Cheuk, R.F.; Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; Dunn, P.; Etgu, P.; Feldblyum, T.V.; Feng, J.; Fong, B.; Fujii, C.Y.; Gill, J.E.; Goldsmith, A.D.; Haas, B.; Hunsen, N.F.; Hughes, B.; Huizar, L.
Nature 408, B16-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.J.; Koo, H.L.; Krementetkala, I.; Kutz, D.B.; Kwan, A.; Lam, X.; Lau, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, A.; Militscher, J.; Miranda, M.; Nguyen, M.; Noney, T.; Rowley, D.; Sakano, H.; Pai, G.; Peterson, J.; Pham, P.K.; Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.; Yu, Liu, X.; Tallon, L.J.; Tambunga, G.; Toriumi, M.J.; Town, C.D.; Utterback, T.; van Aken, S.; Vasberg, M.; Vysotekaia, V.S.; Walker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A;Ttele: Sequence and analysis of chromosome 1 of the plant Arabidopsis.
A;Arcession: C96601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Cross-references: UNIPROT: Q9SGS9; GB: AE005173; NID: g6056383; PIDN: AAF02847.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                            C; Superfamily: dihydrolipoamide dehydrogenase; dihydrolipoamide dehydrogenase
A,Title: Genome sequence of Yersinia pestis, the causative agent of plague.
A,Reference number: AB0001; MUID:21470413; PMID:11586360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IKSSFADILNHADRVINQQTRMRQGFYDRNHCHMFSGDASFIDANTVNVRYADGTSDTLQ
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                                                                                                                           A;Status: preliminary
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-466 < KUR>
A;Cross-references: UNIPROT:Q8ZA97; GB:AL590842; PIDN:CAC93380.1;
PID:g15981826; GSPDB:GN00175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AH0476 Length: 466 February 4, 2005 13:17 Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C; Keywords: oxidoreductase
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A;Molecule type: DNA
                                                                                               A; Accession: AH0476
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Length: 309 February 4, 2005 13:17 Type: P Check: 9036 ing 'seq3' (mohamed337.key)

C96601 Len Found using

Ribarkhill, J.; Wren, B.W.; Thomson, N.R.; Titball, R.W.; Holden, M.T.G.; Prentice, M.B.; Sebaihia, M.; James, K.D.; Churcher, C.; Mungall, K.L.; Baker, S.; Basham, D.; Bentley, S.D.; Brooks, K.; Cerdeno-Tarraga, A.M.; Chillingworth, T.; Cronin, A.; Davies, R.M.; Davis, P.; Dougan, G.; Feltwell, T.; Hamlin, N.; Holroyd, S.; Jagels, K.; Leather, S.; Karlyshev, A.V.; Moule, S.; Oyston, P.C.F.; Quall, M.; Ruberford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; Whitehead, S.; Barrell, B.G.

Wature 413, 523-527, 2001

P1;AH0476 - NAD(P) transhydrogenase (B-specific) (EC 1.6.1.1) [imported] Yersinia pestis (strain C092)
C;Species: Yersinia pestis
C;Species: O2-Nov-2001 #sequence_revision 02-Nov-2001 #text_change 09-Jul-2004
C;Accession: AH0476

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YGTGYRVPGDYDQDGYKMANCEVKAETPDFGATKTRRAVKRPVPYDDYQKEYSESSDMTD 219
NPNPLFTGGSASATLTGLDSFCSSDQMVLRALLSQLTKIDGSLGPKESQSYGEGSSESLL
288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         T29492 Length: 358 February 4, 2005 13:17 Type: P Check: 4006 Found using 'seq3' (mohamed337.key)
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NDGSVDDSYFEPKSKKTKSAGLENFKPQTRARKYKLKADEEKAEPTYKLKRARNNDAV
                                                                                                                                                                                                                                                                                                                                                                                               A;Cross-references: UNIPROT:Q18909; EMBL:U58727; PIDN:AAB00581.1; GSPDB:GN00028; CESP:D1005.3
A;Experimental source: strain Bristol N2; clone D1005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Total Elapsed 00:00:00:00
                                                                                                                                           A;Accession: T29492
A;Stetus: predliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-358 <WOH>
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00:00:00
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Number of sequence hits:
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sequence hits:
separate matches:
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A;Gene: CESP:D1005.3
A;Map;position: X
A;Introns: 36/2; 90/3; 339/2
                                                             TDIGIPSTVWNC 305
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                   238
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NOMENCLATURE
                                                                                                                                                                                                                                                                               thaliana.";
 Q84TE6, Q9SE10; Q9SG99; 25-OCT-2004 (Rel. 45, Created) 25-OCT-2004 (Rel. 45, Last sequence update) 25-OCT-2004 (Rel. 45, Last annotation update) NAC-domain containing protein 21/22 (ANACO21) (ANACO22). Name-NAC1; OrderedLocusNames=At1g56010; ORFNames=F14J16.32, T6H22.19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Arabidopsis thaliana (Mouse-ear cress).

Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnollophyta; eudicotyledons; core eudicots; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.

[1]
                                                                                                                                                                                                                                                                                                                                                                                    No
No
Yes
Yes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
na22arath ; NAC-domain containing protein 21/22 (ANAC021) (ANAC022).
(from "seq3uni.pep")
                                                                                  Selected search type is key against sequence data banks or files. Selected scope is Sequence. Selected sequence key from "mohamed337.key": seq3 (AA) ID seq3 AA preliminary pattern
                                                                                                                                                                                                                                                                                                                                                                         File Options:
Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to: 324
                                  Quest - Quick User-directed Expression Search Tool
Release 5.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                324 AA.
                                                                 -- Outline of search "seg3 uni"
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Nucleic acid code matching
Find non-matching hits only
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Time to start comparison
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Note position of hit
Display full annotations
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Wiser M.F., Plitt B., "Plasmodium and P. falciparum: similarities in "Plasmodium berghei, P. chabaudi, and P. falciparum: similarities in phosphoproteins and protein kinase activities and their stage specific
                                                                                                         Viruses; ssRNA positive-strand viruses, no DNA stage; Closteroviridae; Closterovirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=ANKA;
MEDLINE=86065308;
Wiser M.F., Schweiger H.G.;
"Cytosolic protein kinase activity associated with the maturation of the malaria parasite Plasmodium berghei.";
Mol. Biochem. Parasitol. 17:179-189(1985).
                                                                                                                                                                                                                                                                                                       MEDLINE=96406950; PubMed=8811037;
MAWASSI M., Mietkiewska E., Gofman R., Yang G., Bar-Joseph M.;
Munusual sequence relationships between two isolates of citrus
"tristeza virus.";
J. Gen. Virol. 77:2359-2364(1996).
EMBL; U56902; AAB38760.1;
InterPro; IPRO04909; Vir. Hsp90.
Pfam; PF032225; Viral Hsp90.
SEQUENCE 536 AA; 61296 MW; D887838B96E5F877 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NDFVELTGMPLKSLMTGVEDRKVPDELISVDPHEVGCRFTLNDVESYLISÄGEDSTDGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P87592 Length: 536 February 4, 2005 13:17 Type: P Check: 6620 Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -----|
VEHTWCLSNSCGKLLSSTEIDAYKTMVFTKTFDSGVFGVTTKLETYLSYWISLYKKHC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=ANKA;
MEDLINE=92249497; PubMed=7731926;
Wiser J.M., van Belkum A.,
wiser Doorn L.J.;
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01-NOV-1996 (TrEMBLrel. 01, Created)
01-0CT-2001 (TrEMBLrel. 18, Last sequence update)
01-0CT-2002 (TrEMBLrel. 22, Last annotation update)
Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
q08505, P23-like protein (Fragment).
(from "seq3uni.pep")
TOIG of: q08505 check: 9426 from:
   01-MAY-1997 (TrEMBLrel. 03, 01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      P23-like protein (Fragment)
Plasmodium berghei.
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                                                                                             Citrus tristeza virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
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SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=88055499;
                                                                                                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                      NCBI_TaxID=12162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NCBI_TaxID=5821;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRAIN=ANKA;
                                                                                                                                                                                                                                                                                   STRAIN=vt;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SO DE REPERTATION DE LA COMPANSION DE LA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  135
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                         Automative frocustions:

Name=1; Synonyms=ANAC022;

Isold=084TE6-1; Sequence=Displayed;

Isold=084TE6-2; Sequence=Displayed;

Isold=084TE6-2; Sequence=Usp 011189;

Note=No experimental confirmation available;

Note=No experimental confirmation available;

Note=No experimental confirmation sites. Also detected in expanding corpyledon, and in leaf primordia.

INDUCTION: Induced by auxin.

DOWAIN: The NAC domain includes a DNA binding domain and a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to promote lateral root development. Activates the expression of two downstream auxin-responsive genes, DBP and AIR3.
--- SUBUNIT: Dimer. Interacts with SINATS.
--- SUBCELULAR LOCATION: Nuclear.
--- ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bipartite nuclear localization signal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ARATH Length: 324 February 4, 2005 13:17 Type: P Check: 4353 i using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NPNPLFTGGSASATLTGLDSFCSSDQMVLRALLSQLTKIDGSLGPKESQSYGEGSSESLL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Activator; Alternative splicing; DNA-binding; Nuclear protein;
Transcription regulation; Ubl conjugation.
DOMAIN 19 171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FTId=VSP_011189.
C70ED705D1A06957 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Missing (in isoform 2). /FIId=VSP_011189.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           536 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 6620 from: 1 to: 536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (Potential)
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01-MAY-1997 (TrEMBLrel. 03, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL, AF198054; AAF21437.1; --
EMBL, AC002304; AAF79328.1; --
EMBL, AC00894; AAF02847.1; ALT_SEQ.
EMBL, AY085996; AAM63206.1; --
EMBL, BT005873; AAO64808.1; --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   324 AA; 36569 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR003441; NAM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PROSITE, PS51005; NAC; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                171
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TRANSFAC; T05392; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GeneFarm; 4063; -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           87592 ; P61.
(from "seq3uni.pep")
TOIG of: p87592 chec
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p87592

313

253

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THE PROOF OF THE P
  SYNDRANGS
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Rhabditidae; Peloderinae; Caenorhabditis.
NCBI_TaxID=6239;
                                                                                                                                                                    "A plasmodium homologue of cochaperone p23 and its differential expression during the replicative cycle of the malaria parasite."; Parasitol. Res. 90:166-170(2003).

EMBL; L21708; AAC14463.2; -. NON TER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Genome sequence of the nematode C. elegans: a platform for investigating biology. The C. elegans Sequencing Consortium."; Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                            MGGMGGMGDIDFSKLGNMGGDMSNLAGLGGMDQFKNMPNNDDDSSSSYGDDSSDDD
                                                                                                                                                                                                                                                                                                                                        Q08505 Length: 145 February 4, 2005 13:17 Type: P Check: 9426 ound using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=Briscol N2;
Wohldmann P., Hawkins J.;
"The sequence of C. elegans cosmid D1005.";
Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Wilson R.;
Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (NOV-2002) to the EMBL/GenBank/DDBJ databases
"Chaperonin-like repeats in a 34-kDa Plasmodium berghei
                                                                                                                                                                                                                                                                                               SEQUENCE 145 AA; 14694 MW; 9C1B2959F72C616D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      018909;
01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein D1005.3.
Name=D1005.3; ORFNames=D1005.3;
Caenorhabditis elegans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EDDDTNKSDADHSHACNDAKCNIDKDGAIHNDDAKVQEPVA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 358
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . match found in sequence:
q18909 ; Hypothetical protein D1005.3.
(from "seq3uni.pep")
TOIG of: q18909 check: 4006 from: 1
                                                                                                                                     MEDLINE=22641434; PubMed=12756555;
                       phosphoprotein.";
Parasitol. Res. 81:167-169(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WormBase Consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STRAIN=Bristol N2;
WormBase Consortium;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             [3]
SEQUENCE FROM N.A.
STRAIN=Bristol N2;
Waterston R.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             [2]
SEOUENCE FROM N.A.
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                                                                                          SEQUENCE FROM N.A.
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                                                                                                                  STRAIN=ANKA
                                                                                                                                                          Wiser M.F.;
                                                                                                                                                                                                                                                                                                                                                                    Found using
105
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SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

SEQUENCE FROM N.A.

STRAIN=IP 32953;

A Chain P.S.G., Carniel E., Larimer F.W., Lamerdin J., Stoutland P.O.,

RA Chain P.S.G., Carniel E., Larimer F.W., Land M.L., Motin L.V.,

R. Brubaker R.R., Fowler J., Hinnebusch B.J., Marceau M., Medigue C.,

R. Brubaker R.R., Fowler J., Hinnebusch B.J., Marceau M., Medigue C.,

R. Simonet M., Chenal-Francisque V., Souza B., Dacheux D., Elliott J.M.,

Berbise A., Hauser L.J., Garcia E.;

Derbise A., Hauser L.J., Garcia E.;

Derbise A., Hauser L.J., Garcia E.;

Proc. Natl. Acad. Sci. U.S.A. 101:13826-13831(2004).

F. C. !- COFACTOR: FAD (By similarity).

R. EMBL; BX936398; CAH19361.1;

C. !- COFACTOR: FAD (By similarity).

R. EMBL; BX936398; CAH19361.1;

R. GO: GO: 0016491; F: oxidoreductase activity; IEA.

B. InterPro; IPR000137; FAD pyr redox.

B. InterPro; IPR000103; Pyridine redox.

B. InterPro; IPR000109; Pyridine redox.

B. InterPro; IPR00109; Pyridine redox.

B. InterPro; IPR00109; Pyr redox.

B. InterPro; IPR00100; Pyr redox.

B. InterPro; IPR00100; Pyr redox.

B. InterPro; IPR00100; Pyr redox.
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25-007-2004 (TrEMBLrel. 28, Last sequence update)
25-007-2004 (TrEMBLrel. 28, Last sequence update)
25-007-2004 (TrEMBLrel. 28, Last annotation update)
Soluble pyridine nucleotide transhydrogenase (EC 1.6.1.1).
Name-sthA; Synonyms-sth, udhA; ORFNames=YPTB0121;
Persinia pseudotuberculosis IP 32953.
Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               YGTGYRVPGDYDQDGYKMNCEVKAETPDFGATKTRRAVKRPVPYDDYQKEYSEESSDMTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           q66g61; Soluble pyridine nucleotide transhydrogenase (EC 1.6.1.1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q18909 Length: 358 February 4, 2005 13:17 Type: P Check: 4006 Found using 'seq3' (mohamed337.key)
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NDGSVDDSYFEPKSKKTKSAGLENFKPQTRARKYKLKADEEKAEPTYKLKRARNNDAV
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases. EMBL, U58727; AAB00581.1; -. PIR; T29492; T29492. HSSP; P17676; 1104.
                                                                                                                                                                                                                                                                                                                                                                   WormBase; WBGene00016997; D1005.3.
Wormbep; D1005.3; CB06999.
Hypothetical protein.
SEQUENCE 358 AA; 41724 MW; 927CC12C68AAD868 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      466 AA.
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                                                                                                                                                                                                                                                                                                         IntAct; Q18909; -
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TOIG of: q66g61 c
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check: 8363
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    q6cdj8; Similarity.
    (from "seq3uni.pep")
    TOIG of: q6cdj8 check: ''
                                                                                                                           NCBI_TaxID=284592;
                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                  STRAIN=CBS767;
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Qecbus;
149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              209
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MEDLINE=93298054; PubMed=8330827;
Eberle R., Zhang M., Black D.H.;
"Gene mapping and sequence analysis of the unique short region of the simian herpesvirus SA 8 genome.";
Arch. Virol. 130:391-411(1993).
                                                                                                IKSSFADILNHADRVINQQTRMRQGFYDRNHCHMFSGDASFIDANTVNVRYADGTSDTLQ
129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VGVFGAALGLAAAGLSVWACVTCRRARAWRAVKKRDPGTQTYIRLADDELYADLSSDGGW
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                                                                                                                                                                     ADNIVIATGSRPYRPVNVDFNHERIYDSDTILQLSHEPQHVIIYGAGVIGCEYASIFR
                             Type: P Check:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eberla R., Black D.H.;
Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AF449714; AAA46180.1; -.
GO; GO:0016020; C:membrane; IEA.
InterPro; IPR003404; Herpes_glycopE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pfan, PF02480; Herpes GE; 1.
SEQUENCE 540 AA; 58049 MW; BC34E60B2F3392EE CRC64;
 D6CD965D6CF3E2CE CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                          Cercopithecine herpesvirus 2.
Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
Alphaherpesvirinae.
                                                                                                                                                                                                                                                                                                                                                 01-NOV-1996 (TrEMBLrel. 01, Created)
01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
GE glycoprotein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q69371 Length: 540 February 4, 2005 13:17 Type: P
Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                            540 AA.
                             2005 13:17
                                                                                                                                                                                                                                                                                                from: 1 to: 540
                                                                                                                                                                                                                                                                                                                            PRT;
                           Q66G61 Length: 466 February 4, Found using '8eq3' (mohamed337.key)
 51382 MW;
                                                                                                                                                                                                                                                                                               check: 9354
                                                                                                                                                                                                                                                                                                                            PRELIMINARY;
                                                                                                                                                                                                                                                                   l ; GE glycoprotein.
n "seq3uni.pep")
of: q69371 check:
                                                                                                                                                                                                                                                         match found in sequence:
  AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=10317;
  466
  SEQUENCE
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(from TOIG o

139

79

PRT;

PRELIMINARY;

QGBUJ8; QGBUJ8;

411

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Dujon B., Sherman D., Fischer G., Durrens P., Casaregola S.,
Dujon B., Sherman D., Fischer G., Neuveglise C., Talla E.,
Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla E.,
Barnay S., Blanchin S., Beckerich J.M., Babour A., Barbe V.,
Barnay S., Blanchin S., Beckerich J.M., Beyne E., Bleykasten C.,
Bannay S., Blanchin S., Beckerich J.M., Deyne E., Bleykasten C.A.,
An Antraye F., Hennedin C., Ferry-Dumazet H., Groppi A.,
Hantraye F., Hennequin C., Jauniauw N., Joyet P., Kachouri R.,
M. Kerrest A., Koszul R., Lemaire M., Lesur I., Ma L., Muller H.,
Nicaud J.M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
R. Swennene D., Tekaia F., Wesolowski-Louvel M., Westhof E., Wirth B.,
Zeniou-Meyer M., Zivanovic I., Bolotin-Fukuhara M., Thierry A.,
Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J.,
Wincker P., Souciet J.L.;
I. Nature 430:35-44(2004).
25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Debaryomyces hansenii chromosome C of strain CBS767 of Debaryomyces
                                                                                                                                                                                   ORFNames=DEHAOC11066g;
Debaryonyces hansenii CBS767.
Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Debaryomyces.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Check: 7607
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL: CR3821325, CR386192.1; ...
GO; GO:0016491; F:oxidoreductase activity; IEA.
GO; GO:0006520; P:namino acid metabolism; IEA.
InterPro; IPR006095; GLFV dehydrog.
InterPro; IPR006096; GLFV dehydrog.C.
Pfam; PF002097; GLFV dehydrog.L.
PROSITE; PG0074; GLFV DEHYDROGENASE; 1.
SEQUENCE 1052 AA; II9267 MW; BODBA262333B83D0 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genoscope;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
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25-0CT-2004 (TrEMBLrel. 28, Last sequence update)
25-0CT-2004 (TrEMBLrel. 28, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
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ORFNames=YAL10B23386g;
Yarrowia lipolytica CLIB99.
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Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla B.,
Goffard N., Frangewoll L., Aigle M., Anthouard V., Babour A., Barbe V.,
Barnay S., Blanchin S., Beckerich J.M., Beyne B., Bleykasten C.,
Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A.,
Boisrame A., Royer B., Fairhead C., Ferry Jonazet H., Groppi A.,
Hantraye F., Hennequin C., Jauniaux N., Joyet P., Kachouri R.,
Kerrest A., Koszul R., Lemaire M., Lesur I., Ma L., Muller H.,
Nicaud J.M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
Pellenz S., Potier S., Richard G.F., Straub M.L., Suleau A.,
Swennene D., Tekaia P., Wesolowski-Louvel M., Westhof E., Wirth B.,
Zaniou-Meyer M., Zivanovic I., Bolotin-Fukuhara M., Thierry A.,
Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J.,
Mincker P., Souciet J.L.;
T. "Genome evolution in yeasts.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Dujon B., Sherman D., Fischer G., Durrens P., Casaregola S., Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla E., Goffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe V., Barnay S., Blanchin S., Beckerich J.M., Beyne E., Bleykasten C., Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in seguence:
16cgv8 ; Yarrowia lipolytica chromosome A of strain CLIB99 of Yarrowia
  Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORFNames=YALIOA15708g;
Yarrowia lipolytica CLIB99.
Bukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Dipodascaceae; Yarrowia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ARVSHNAVKMASSRGIHFSSDGFIKMKDQKHILKVMNSPENQWSTDELLSHSDHSSDEIT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QGCDU8 Length: 176 February 4, 2005 13:17 Type: P Check: 8363 ound using 'seq3' (mohamed337.key)
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25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Yarrowia lipolytica chromosome A of strain CLIB99 of Yarrowia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -----|
SETLQKVSKKLAPIFKSAALPMPDSDETMFSLIKTLRTQVNLVSHIHDIDVSGVAPLT
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Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL; CR382128; CAG83517.1; -.
SEQUENCE 176 AA; 19683 MW; 8F12D9C224E2AE8F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      518 AA.
                            Saccharomycetales; Dipodascaceae; Yarrowia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 check: 9969 from: 1 to: 518
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nature 430:35-44(2004).
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                                                     NCBI_TaxID=284591;
                                                                                                       SEQUENCE FROM N.A. STRAIN=CLIB99;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (from "seq3uni.pep")
TOIG of: q6cgv8 che
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                                                                                                                                                               Genolevures
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Found using
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(from
A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR A PAR
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TISSUE-COCYTES;

WEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

Straubberg R.L., Feingold B.A., Grouse L.H., Derge J.G.,

Altsuberg R.L., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Haite F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.A., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Robar S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Marzu, D., Sodergren B.J., Lu X., Gibbs R.A.,

Rahay J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Rakesley R.W., Touchman J.W., Green B.D., Dickson M.C.,

Raywinski M.I., Skalska U., Schmutz J., Myers R.M., Butterfield Y.S.,

Raywinski M.I., Skalska U., Smailus D.B., Schnerch A., Schein J.E.,

Jones S.J., Marra M.A.;
Despons L., Fabre B., Fairhead C., Ferry-Dumazet H., Groppi A., Hantraye F., Hennequin C., Jauniaux N., Joyet P., Kachouri R., Karrest A., Koszul R., Lemaire M., Lesur I., Ma L., Muller H., Nicaud J.M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O., Pellenz S., Potier S., Richard G.F., Straub M.L., Suleau A., Swennen D., Tekaia F., Wesolowski.Louvel M., Westhof E., Wirth B., Zeniou-Meyer M., Zivanovic I., Bolocin-Fukuhara M., Thierry A., Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J., "Genome evolution in yeasts.";
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Renopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VSDDDIPQAEERVSAAFTGGNYDEPEYVKTDPYVKKDPIFDEPPMDRDKRRTDMSSDDDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      V8 Length: 518 February 4, 2005 13:17 Type: P Check: 9969 using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genoscope;
Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; CR302127; CAG84035.1; -.
SEQUENCE 518 AA; 58769 MW; CGBFE0359CF3CCAC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28, 25-OCT-2004 (TrEMBLrel. 28,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRELIMINARY;
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Found
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1441
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Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
                                                                                                                                                 TISSUE=Oocytes;
MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                                                                                                                                                                                                                                    Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EEFESSECSQSASTPTTIELCGNRHFKKRLSAPSISFNLENSGESIASSEÄAEQSTDDLD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q6DF91 Length: 308 February 4, 2005 13:17 Type: P Check: 160 Found using '8eq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                -----|
FDIDDLETPNSSELLDCPEFEWDDDLPKAKGTESSVCSESRVTDMEDQNGRKWRIFLM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE FROM N.A.
Okazaki N., Kikuno R., Nagase T., Ohara O., Koga H.;
Okazaki N., Kikuno R., Nagase T., Ohara O., Koga H.;
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AB182283; BAD23961.1;
InterPro; IPR002715; NAC.
Pfam; PF01849; NAC, 1.
SEQUENCE 1445 AA; 150775 MW; B3E8936408FAFF54 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1445 AA; 150775 MW; B3E8936408FAFF54 CRC64;
                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
TISSUE=Occytes;
KIEIN S., Gerhard D.S.;
Submitted (Gerhard D.S.;
Submitted D.C.)
EMBL; BC076850; AAH76850.1; -.
INTERPRO; IPRO01251; CRAL_TRIO_C.
SMART; SM00516; SEC14; I.1.
PROSITE; PSC191; CRAL_TRIO; 1.
SEQUENCE 308 AA, 35297 MW; 74F172191F87F0A6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update) MKIAA0363 protein (Fragment).
                                   and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRT; 1445 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1 to: 1445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q616F5;
05-JUL-2004 (TrEMBLrel. 27, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein (Fragment).
                                                                                                                                                                                                                                                                                                               Dev. Dyn. 225:384-391(2002).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
    q6i6fs ; MKIAA0363 protei
    (from "seq3uni.pep")
    TOIG of: q6i6f5 check:
                                                                                                                    SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=mKIAA0363
                                      and mouse
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        23
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Debbacks. A. M. Clark R., Collins M. Pain A., Woodward J., Quail M.A., Anderson M.J., Clark R., Collins M. Fosker N., Farser A., Harris D., Larke N., Wurphy L., Humphray S., Fosker N., Persea M., Price C., Rabbinowitsch E., Rajandream M-A., Salzberg S., Saunders D., Seegar K., Sharp S., Warren T., Denning D.W., Barrell B., Hall N.; Denning D.W., Barrell B., Hall N.; Funsight into the genome of Aspergillus fumigatus: analysis of a 922 kb region encompassing the nitrate assimilation gene cluster."; Fungal Gener. Biol. 41:443-453 (2004).

EMBL, BX649605; CAE479011; -
InterPro; IPR015295; Surf4_rel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Surfeit locus protein 4 homologue, putative.
ORFNames-AfA28D10.055c;
Aspergillus funigatus (Sartorya fumigata).
Bukaryota; Fungi; Ascomycota; Pezizomycotina; Burotiomycete8;
Burotiale8; Trichocomaceae; mitosporic Trichocomaceae; Aspergillus.
NCBI_TaxID=5085;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MAQIRGTAGYNLGHQNPFVGPGRADATSDPSPLDAIRRQTSKIEDWLDTISDPVKPYLPA
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Q616F5 Length: 1445 February 4, 2005 13:17 Type: P Check: 1672 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                              edsleedaqrapgsgqrweshgessseldeylapppdaqrtpgsgqrseshgessselge
                                                                                                                                                                                                                                                                                                                     ------|
ODLSPQKSQCPAQGPAGSNEETIAKAKQSRSEKKARKAMSKLGLRQIQGVTRITIQKS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       35126 MW; 2FA0C3B32F014746 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q6NIX1 PRELIMINARY; PRT; 490 AA. Q6NIX1; Q5NIX1, 2004 (TrEMBirel. 27, Created) 05-JUL-2004 (TrEMBirel. 27, Last sequence update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
qemyve ; Surfeit locus protein 4 homologue, putative.
(from "seq3uni.pep")
TOIG of: qemyve check: 5640 from: 1 to: 312
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ProDom; PD010195; Surf4 rel; 1.
PROSITE; PS01339; SURF4; 1.
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SEQUENCE FROM N.A.

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TRAINBELOUYDE Gravis / NCTC 13129;

MEDLINE=2265443; PubMed=14602910; DOI=10.1093/nar/gkg874;

MEDLINE=22655443; PubMed=14602910; DOI=10.1093/nar/gkg874;

Cerdeno-Tarraga A.-M., Efstratiou A., Dover L.G., Holden M.T.G.,

A Pallen M.J., Bentley S.D., Besra G.S., Churcher C.M., James K.D.,

A Hamlin N., Holroyd S., Jagels K., Moule S., Quail M.A.,

Rabbinowitsch E., Rutherford K.M., Thomon N.R., Unwin L.,

Whitehead S. Barrell B.G., Parkhill J.;

"The complete genome sequence and analysis of Corynebacterium diphtheriae NCTC13129.";

Nucleic Acids Res. 31.6516-6523(2003).

I. COPACTOR: FAD (By similarity).

EMBL; BX248355; CAR49162.1; -.

GO; GO:0005737; C:Cytoplasm; IEA.

GO; GO:0018018; F:metal ion binding; IEA.

GO; GO:001818; P:metal ion binding; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ALINIRVQALAYEQSSDIRASMDAHGVRVIDGRGSFDDYNPKQTVHYIKVDRADGTTETIE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      QGNIX1 Length: 490 February 4, 2005 13:17 Type: P Check: 4757 Found using 'seq3' (mohamed337.key)
                                                                            Bacreria; Actinobacteria; Actinobacteridae; Actinomycetales;
Corynebacterineae; Corynebacteriaceae; Corynebacterium.
NCBI_TaxID=1717;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CDLVLIATGATPRILPDAQPDGERILTWRQIYGLTELPEHLIVVGSGVTGAEFVSAFA
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NCBI_TaxID=184922;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRINTS; PRO0411; PNDRDTASEI.
PRINTS; PR00469; PNDRDTASEII.
PROD00139; PAD_PYT_redox; 1.
COMDLETE PROTEOME; FAD; Flavoprotein; Oxidoreductase.
SEQUENCE 490 AA; FAD; WW; 9651CF74EC3565B1 CRC64;
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01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
GLP 383_953 699 (GLP 381,14340_14594).
Glardia lamblia ATCC 50803.
05-JUL-2004 (TrEMBLrel. 27, Last annotation update) Dihydrolipoamide dehydrogenase.
Name=lpdA; OrderedLocusNames=DIP0645;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   84 AA
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q7pd07 ; GLP_383_599 (GLP_383_14340_14594).
(from seq3nii.pep.7
TOIG of: q7pd07 check: 8099 from: 1 to: 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR001327; FAD_pyr_redox.
InterPro; IPR0001815; Hg_reductase.
InterPro; IPR000205; NAD_BS.
InterPro; IPR00103; PyrIdine_redox_2.
InterPro; IPR001100; Pyr_redox.
InterPro; IPR004099; Pyr_redox_dim.
Pfam; PF00070; Pyr_redox; 1.
Pfam; PF02852; Pyr_redox; 1.
PRINTS; PR00348; FADPRR.
PRINTS; PR00346; HGRDTASE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
                                                         Corynebacterium diphtheriae.
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                                                                                                                                                             SEQUENCE FROM N.A.
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  103
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MEDIINE-2146065; PubNed=12537568; Celniker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Pacleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren B.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter C., Weinschock G., Scherer S.E., Myers B.W., Gibbs R.A., Rubin G.M.; Prinishing a whole-genome shotgun: Release 3 of the Drosophila melanogaster euchromatic genome sequence.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G.,
Li P.W., Henderson S.N., Sutton G.G., Wortman J.R., Yandell M.D.,
Zhang Q., Chen L.X., Brandon R.C., Rogers Y.H., An H.J.,
Andrews-Ffannkoch C., Baldwin D., Ballew R.M., Basu A., Baxendale .
Beasley E.M., Beeson K.Y., Bhandari D., Bolanos R.A., Busem D.A.,
Center A., Chandra I., Dahlke C., Davenport L.B., Davise P.,
Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K.,
Doup L.E., Dunn P., Evangelista C.C., Ferriera S., Flanigan M.J.,
                   STRAIN=WB C6;
Morrison H.G., McArthur A.G., Adam R.D., Aley S.B., Gillin F.D.,
                                                      Olsen G.J., Sogin M.L.,
"Draft sequence of the Giardia lamblia genome.";
submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Heterochromatic sequences in a Drosophila whole-genome shotgun
                                                                                                                                                                                                                                                                                                                                 MISCWVTDHLQKRPAIREQRAGPLPDTTHGSTPSASTNAYYDSKMEAYGERTSDNRVDDP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Drosophila melanogaster (Fruit fly).
Bukaryota; Metazogaster (Fruit fly).
Bukaryota; Metazoga; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                2005 13:17 Type: P Check: 8099
                                                                                                                                                             preliminary data.
EMBL; AACBO1000141; EAA37406.1; -.
SEQUENCE 84 AA; 9410 MW; 8FEDA63103C8381B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (TrEMBLrel. 26, Created)
(TrEMBLrel. 26, Last sequence update)
(TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              673 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1 to: 673
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                assembly.";
Genome Biol. 3:0085-0085(2002).
                                                                                                                                                                                                                                                Q7PD07 Length: 84 February 4, 2 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Name=Gfat1; Synonyms=CG12449;
                                                                                                                                                                                                                                                                                                                                                                                                                    RHGETKRHPRNGVDTRGRGVRSSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           7plc6 ; CG12449-PD.
(from "seq3uni.pep")
TOIG of: q7plc6 check: 7105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=7227;
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SQ SEQUENCE 673 AA; 75607 MW; BF7/310Bbb1L3E/9 CRC04; Q7PLC6 Length: 673 February 4, 2005 13:17 Type: P Check: 7105 ... Found using 'seq3' (mohamed337.key)
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Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G.,
Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G.,
Li P.W., Henderson S.N., Sutton G.G., Wortnan J.R., Yandell M.D.,
A Liang Q., Chen L.X., Brandon R.C., Rogers Y.H., An H.J.,
A hard W., Beeson K.Y., Bhandari D., Bolanos R.A., Busam D.A.,
Reasley E.M., Beeson K.Y., Bhandari D., Bolanos R.A., Busam D.A.,
A center A., Chandra I., Dahlke C., Davenport L.B., Davies P.,
Center A., Chandra I., Dahlke C., Davenport L.B., Davies P.,
Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K.,
Delcher A., Dunn P., Evangelista C.C., Ferriera S., Flanigan M.J.,
Rosler C., Gabrielian A.E., Garg N.S., Glasser K., Glodek A., Gong F.,
R. Hostin D., Howland T.J., Wei M.H., Ibegwam C., Jalali M., Kalush F.,
R. E. Ketchum K.A., Kodira C.D., Kraft C., Kravitz S., Lai Z.,
R. Ketchum K.A., Kodira C.D., Kraft C., Kravitz S., Lai Z.,
R. Leitsky A.A., Li J., Li Z., Liang Y., Lin X., Libu X.,
R. Milshina N.V., Mobarry C., Mopherson D., Merkulov G., Miller J.R.,
R. Milshina N.V., Mobarry C., Mopherson D., Merkulov G., Miller J.R.,
R. Milshina N., Sahten T., Spier E., Strong R., Sun E., Tector C.,
R. Musskern D.R., Pittman G.S., Pan S., Pollard J., Puri V., Reinert K.,
R. Kurner R., Venter E., Wang A.H., Wang X., Wang Z., Y., Williams S.M.,
R. Mand Q., Zheng L., Zheng X.H., Zhong F.N., Zhong M., Zhu X., Zhu X.,
R. Smith H.O., Myers E.W., Venter J.C.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE-22426071;
Hoskins R.A., Smith C.D., Carlson J.W., Carvalho A.B., Halpern A.,
Kaminker J.S., Kennedy C., Mungall C.J., Sullivan B.A., Sutton G.G.,
Yasuhara J.C., Wakimoto B.T., Myers B.W., Celniker S.E., Rubin G.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          MEDLINE=22426065, PubMed=12537568;
MEDLINE=22426065, PubMed=12537568;
Celniker S.E., Maeeler D.A., Kronmiller B., Carlson J.W., Halpern A Patel S., Adams M., Champe M., Dugan S.P., Frise B., Hodgon A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Secleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter Weinstock G., Scherer S.B., Myers E.W., Gibbs R.A., Rubin G.M.; Finishing a whole-genome shotgun: Release 3 of the Drosophila melanogaster euchromatic genome sequence.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heterochromatic sequences in a Drosophila whole-genome shotgun
KSKYPPGECVASRRSSPLLVGIKTKTRLATDHIPILYGKDADSGKPQVLPRSESTSEFMP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Drosophila melanogaster (Fruit fly)
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila
                                                                                     -----|
LEBKEVBYFFASDASAVIEHTNRVIYLEDDDVAAVRDGTLSIHRLKKSLDDPHAREIT
                                                                                                                                                                                                                                                                                                                                                                                                                            01-WAR-2004 (TrEMBLrel. 26, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                            682 AA.
                                                                                                                                                                                                                                           1 match found in sequence:

q7plc7; CG12449-PA.

[from iscalani.pep"]

TOIG of: q7plc7 check: 6056 from: 1 to: 682
                                                                                                                                                                                                                                                                                                                                                                                                      Created)
                                                                                                                                                                                                                                                                                                                                                            PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Genome Biol. 3:0085-0085(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Name=Gfat1; Synonyms=CG12449;
                                                                                                                                                                                                                                                                                                                                                                                                           26,
26,
                                                                                                                                                                                                                                                                                                                                                            PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                           (TrEMBLrel.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=7227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Karpen G.H.;
                                                                                                                                                                                                                                                                                                                                                                                     07PLC7;
01-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CG12449-PA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      assembly."
                                                                                                                                                                                                                                                                                                                                                                 242
              182
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715 AA

PRT;

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Last sequence update)
Last annotation update)
                                                                                  Created)
                                                                                                             01-MAR-2004 (TrEMBLrel. 26, L
01-MAR-2004 (TrEMBLrel. 26, L
ENSANGP00000016019 (Fragment)
                                                                                  (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Anopheles gambiae str. PEST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 8295
                          PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
q7qe24 ; AgCP7269 (Fragment).
(from "seq3uni.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRELIMINARY;
                                                                                                                                                                                                Name=ENSANGG00000013530;
                                                                                                                                                                                                                                                                                                          NCBI_TaxID=180454;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A. STRAIN=PEST;
                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOIG of: q7qe24
                                                                                  01-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q7QE24;
01-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN-PEST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NON TER
                       Q7PSY1,
Q7PSY1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Found using
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     O7PSY1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        328
                          388
                                                                                           Adams M.D., Holt R.A., Evans C.A., Gocayne J.D., Amanatides P.G., Andams M.D., Holt R.A., Brandon R.C., Nortman J.R., Yandell M.D., Andams M.D., Holt R.A., Brandon R.C., Rogers Y.H., An H.J., An H.J., Brandon R.C., Rogers Y.H., An H.J., Basun A., Basandol R.C., Baldwin D., Ballew R.M., Basu A., Baxendale J., Bassley E.M., Beeson K.Y., Balandari D., Bolanos R.A., Busam D.A., Chandra I., Dahlke C., Davenport L.B., Davies P., Delcher A., Chandra I., Dahlke C., Davenport L.B., Davies P., Delcher A., Deng Z., Mays A.D., Dew I., Dietz S.M., Dodson K., An Doup L.B., Dunn P., Evangelista C.C., Ferriera S., Flanigan M.J., Rosler C., Gabrielian A.E., Garg N.S., Glasser K., Glodek A., Gong F., A., Haptern A.L., Harris M., Helman T.J., Houck J., Rottin D., Howland T.J., Wei M.H., Ibegwam C., Jalali M., Kalush F., Ke Z., Ketchum K.A., Kodira C.D., Kraft C., Kravitz S., Lai Z., Lai Z., Lai Y., Levitsky A.A., Li J., Li Z., Liang Y., Lin X., Liu X., Mattei B., McIntosh T.C., McPherson D., Merkulov G., Miller J.R., Nusskern D.R., Pittman G.S., Pan S., Pollard J., Puri V., Reinert K., Remington K., Scheeler F., Shue B.C., Siden-Kiamos I., Simpson M., Musskern D.R., Pittman G.S., Pan S., Pollard J., Puri V., Reinert K., Nusskern D.R., Pittman G.S., Pan S., Pollard J.S., Zhan M., Zhang G., Mush H.O., Myers E.W., Venter B., Strong R., Zhong W., Zhong W., Zhoo Q., Zhong Y., Williams S.M., Woodey T., Whyers E.W., Venter J.C., Saden M., Zhong W., Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GO; GO:0005737; C:cytoplasm; IEA.
GO; GO:0004860; F:glutamine-fructose-6-phosphate transaminase. . .; IEA.
GO; GO:0005529; F:sugar binding; IEA.
GO; GO:0016051; P:carbohydrate biosynthesis; IEA.
GO; GO:001652; P:metabolism; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
Hoskins R.A., Smith C.D., Carlson J.W., Carvalho A.B., Halpern A.,
Kaminker J.S., Kennedy C., Lewis S.E., Mungall C.J., Sullivan B.A.,
Sutton G.G., Yasuhara J.C., Wakimoto B.T., Myers E.W., Celniker S.E.,
Rubin G.M., Karpen G.H.;
Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
preliminary data.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VASRRSSPLLVGIKTKTRLATDHIPILYGKDDKKLCTDQDADSGKPQVLPRSESTSEFMP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q7PLC7 Length: 682 February 4, 2005 13:17 Type: P Check: 6056 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LEEKEVEY FFASDASAVI EHTNRVIY LEDDDVAAVRDGTLS IHRLKKSLDDPHAREIT
"Drosophila melanogaster Heterochromatic Scaffold.";
Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATASE TYPE II; UNKNOWN 1.
76654 MW; FD0BDDB35966EEA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 check: 7489 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AABU01002542; EAA46260.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              l match found in sequence:
q7psyl ; RNSANGP0000016019 (Fragment).
(from "seq3uni.pep")
TOIG of: q7psyl check: 7489 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InterPro; IPR000583; GATase_2.
InterPro; IPR005855; Glmc_trans.
InterPro; IPR001347; SIS.
Pfam; PF00310; GATase_2; 1.
Pfam; PF001380; SIS; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  glmS; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TIGRFAMB; TIGRO1135; glmS
PROSITE; PS00443; GATASE
SEQUENCE 682 AA; 76654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P17169; 1GDO.
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191

251

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Eukāryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterrygota; Diptera; Nematocera; Culicoidea; Anopheles.
NCBI_TaxID=180454;
Anopheles gambiae str. PEST.
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Anopheles.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Anopheles Genome Sequencing Consortium,
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                      1.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SLIDFQSNTSICLNSYEQRIGVAVPGETLCTGEKLAGGCKERLPATGRRQRTDSSSEKVG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length: 715 Pebruary 4, 2005 13:17 Type: P Check: 7489
ing 'seq3' (mohamed337.key)
                                                                                                                                                                                                             CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NESKKLKYDDGGKEPGDEKPPYGLELLPQDGPAFAEHFKSPNASNESTEMKDFLGDNS
                                                                                                                                                               Anopheles Genome Sequencing Consortium;
Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                           715 AA; 80212 MW; EIEEBEE20894193E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-WAR-2004 (TrEMBLrel. 26, Created)
01-WAR-2004 (TrEMBLrel. 26, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        preliminary data.

EMBL; AAABO1008848; EAA07036.1; -.
HSSP; P02822; 1USU.
GO; GO:005524; F.ATP binding; IEA.
GO; GO:0051082; F:unfolded protein binding; IEA.
GO; GO:006457; P:protein folding; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AgCP7269 (Fragment).
Name=agCG51375; ORFNames=ENSANGG0000014157;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    722 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      from: 1 to: 722
                                                                                                                                                                                                                                                         preliminary data.
EMBL, AAABO1008811; EAA04862.2;
GO; GO:00534; C:nucleus; IEA.
GO; GO:0005677; F:DNA binding; IEA.
InterPro; IPR009057; Homeodomain_like.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
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884448B
                                                                                                                   252
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Anopheles gambiae str. PEST.
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoldea; Anopheles.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Anopheles Genome Sequencing Consortium,
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
--- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
preliminary data.
EMBL; AAAB01008823; EAA05623.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q70H02 Length: 1086 February 4, 2005 13:17 Type: P Check: 4946 Found using 'seg3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGMTDPSRRPMVVSRRDCLW1DRGWRSTDTDKDSGLSEAKLLESSQNTANYADVSTDYAE
                                                                                                                   Q7QE24 Length: 722 February 4, 2005 13:17 Type: P Check: 8295 Found using 'seq3' (mohamed337.key)
                                                                                                                                                                                                 TLAEASPYYESLKKRGI EVLFCYEAYDELVLMQLGMYLGKNLVSVEKEMRKSDASTEGKD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 VDPRSITSPYNSRKSPDNPSPYATTVLVNGNCNDNGKMSYQGLDGYISGASTNRSDPA
                                                                                                                                                                                                                                                    ADGLIEGSLLKTQIDELLPWLKDKLTGKVSNVKTTGKLDTHPCVVTVEEMAAARHFIK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1086 1086
1086 AA; 118638 MW; 00B61A3ASOD7C593 CRC64;
                                                                                         722 AA; 81576 MW; C247E2A0F8FEE8A9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                   01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
AgCP10417 (Fragment).
                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
    q7qh02 ; AgCP10417 (Fragment).
    (from "seq3uni.pep")
    TOIG of: q7qh02 check: 4946 from: 1 to: 1086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Name=agCG54105; ORFNames=ENSANGG0000010055;
                                                                                                                                                                                                                                                                                                                                                                                              PRT; 1086 AA
InterPro; IPR009079; 4 helix cytokine.
InterPro; IPR003594; ATPbind ATPase.
InterPro; IPR001404; Hsp90.
                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAR-2004 (TrEMBLrel. 26, Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HSSP; Q10466; 1BPV.
InterPro; IPR003961; FN III.
InterPro; IPR008957; FN III.like.
InterPro; IPR007110; Ig-like.
Pfam; PP00041; fn3; 3.
PROSITE; PS50853; FN3; 3.
PROSITE; PS50835; IG_LIKE; 5.
                                   Pfam; PF02518; HATPase c; 1.
Pfam; PF00183; HSP90; 3.
PRINTS; PR00775; HEATSHOCK90.
                                                                                                                                                                                                                                                                                                                                                                                              PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=180454;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=PEST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NON TER
SEQUENCE
                                                                                            SEQUENCE
 905
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"Genome sequence and comparative analysis of the model rodent malaria parasite Plasmodium yoelii yoelii."; Nature 419:512-519(2002).
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Surfact Annual Annual Surface 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length: 777 February 4, 2005 13:17 Type: P Check: 3550 ing 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNESLLKSPKKKLNNNKGIETICNDMNDSKYBGENAFNTSQANIDHIQKQYTENSSEESE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CETRSICSFQNEKDEIIDDDSNNNSQNEVLDDESLNKCDNEEKKMDKIRSNLLPHTGK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Plasmodium yoelii yoelii.
Bukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
NCBI_TaxID=73239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hypothetical protein. _ _ _ SEQUENCE 777 AA; 90514 MW; 22A0B47688B83BB7 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            OTRID9;
01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
11-MAR-2004 (TrEMBLrel. 26, Last annotation update)
34 kDa phosphoprotein (Fragment).
                                                                                                                                                                                                                                                                                                                                                                 01-WAR-2004 (TrEMBLrel. 26, Created)
1-WAR-2004 (TrEMBLrel. 26, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL, AABLO100012; EAA18518.1; -.
Interpro; IPR001547; Glyco hydro 5.
PROSITE; PS00659; GLYCOSYL_HYDROU_F5; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 256 AA
                                                                                                                                                                                                                                                          777 AA
                                                                                                                                                        check: 3550 from: 1 to: 777
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q7rrd9 ; 34 kDa phosphoprotein (Fragment).
(from "seq3uni.pep")
                                                                                                                                                                                                                                                          PRT;
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check: 3324
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                                                                                                                                                                                                                                                                     PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name=PY00794;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STRAIN=17XNL;
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                                                                                                                                                                                                                                                                                                                           Q7RRD7;
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Zqc:66137.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Q7SYN3
                                                                                                                                                                                                                                                       07SEI3
 DDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDDDTTDD
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                                                                                                                                                                                                                                                                                                                                                  93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Galagan J.E., Calvo S.E., Borkovich K.A., Selker E.U., Read N.D., Jaffe D., Fitzhugh W., Ma L.-J., Smirnov S., Purcell S., Rehman B., Elkins T., Englels R., Wang S., Nielsen C.B., Butler J., Endrizzi M., Qui D., Ianakiev P., Pedersen D., Nelson M., Washburne M., Selitrennikoff C.P., Kinsey J.A., Braun E.L., Zelter A., Schulte U., Schitrennikoff C.P., Kinsey J.A., Braun E.L., Zelter A., Schulte U., Roy A., Foley K., Naylor J. Thomann N., Barrett R., Gnerre S., Kamal M., Kamvysselis M., Mauceli E., Bielke C., Rudd S., Frishman D., Krystofova S., Rasmussen C., Metzenberg R.L., Perkins D.D., Kroken S., Cogoni C., Macino G., Catcheside D., Li W., Pratt R.J., Osmani S.A., DeSouza C.C., Glass L., Orbach M.J., Berglund J., Voelker R., Yarden O., Plamann M., Seiler S., Dunlap J., Radford A., Aramayo R.,
                                                                                                                                                                                                                                                                "Genome sequence and comparative analysis of the model rodent malaria parasite Plasmodium yoelii yoelii.";
Nature 419:512-519(2002)
                                                                                                       Carlton J.M., Angluoli S.V., Suh B.B., Kooij T.W., Pertea M., Silva J.C., Ermolaeva M.D., Allen J.B., Selengut J.D., Koo H.L., Peterson J.D., Pop M., Kosack D.S., Shumway M.P., Blidwell S.L., Shallom S.J., van Aken S.E., Riedmuller S.B., Feldblyum T.V., Cho J.K., Quackenbush J., Sedegah M., Shoaibi A., Cummings L.M., Plorens L., Yates F.R. III, Raine J.D., Sinden R.E., Harris M.A., Cunningham D.A., Preiser P.R., Bergman L.W., Vaidya A.B., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R., Salzberg S.L., Venter J.C., Fraser C.M., Hoffman S.L., Gardner M.J.,
                                                                                                                                                                                                                                                                                                              -1- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is EMBL; AABLO1000312; EAR18516.1; -. InterPro; IPR008978; HSP20_chap.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Neurospora crassa.
Eukaryota, Fungi, Ascomycota, Pezizomycotina, Sordariomycetes,
Sordariomycetidae, Sordariales, Sordariaceae, Neurospora.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LGCMGGMGGMGDIDFSKLGNMGGDMSNLAGLGGMDQFKNMPNMNDDDSSSYGDDSSDDD
                                                                                                                                                                                                                                                                                                                                                                                                                                           Q7RRD9 Length: 256 February 4, 2005 13:17 Type: P Check: 3324 Found using 'seq3' (mohamed337.key)
Plasmodium yoelii yoelii.
Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
                                                                                                                                                                                                                                                                                                                                                                                                               256 AA; 28117 MW; 113A62102D3469AD CRC64;
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Last annotation update)
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EDDDTNKSDADHSHACNDAKCNIDKEGAIHNDDAKVQEPVA
                                                                                           PubMed=12368865; DOI=10.1038/nature01099;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 q7sei3; Hypothetical protein. (from "seq3uni.pep")
TOIG of: q7sei3 check: 173;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
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                                                            FROM N.A.
                Bukaryota; Alveold
NCBI TaxID=73239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=5141;
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                                                                                                                                                                                                                                                        Carucci D.J.;
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SEOUENCE
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SEQUENCE FROW N.A.

SEQUENCE FROW N.A.

SEQUENCE FROW N.A.

RA STRAUS-AB, TISSUE-whole body;

RA MEDLINE-2238257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

RA Altschul S.F., Oordan H., Moore T., Max S.L., Wang J., Haieh F.,

RA Altschul S.F., Jordan H., Moore T., Max S.L., Wang J., Haieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

RA Raha S.S., Morley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

RA Willalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

RA Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

RA Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Rahas S.J., Marra M.A., Young A.C., Shevchenko Y., Bouffard G.G.,

RA Rakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

RA Kodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

RA Marra M.A.,

RA Gones S.J., Marra M.A.,

RA "Generation and initial analysis of more than 15,000 full-length human and wall wall and mouse cody.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OKFNAmes=zgc:66137;
Brachydanio rerio (Zebrafish) (Danio rerio).
Bukaryota, Metazoa; Chordata, Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Cyprinidae; Danio.
Natvig D.O., Alex L.A., Mannhaupt G., Ebbole D.J., Freitag M., Paulsen I., Sachs M.S., Lander E.S., Nusbaum C., Birren B.; "The Genome Sequence of the Filamentous Fungus Neurospora crassa.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P Check: 173
                                                                                                                                                           -!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENRRGSYSTNESTPATPFFGTFSDRGGNGRIAVIRSSFNTPSPEQVVASGGVVKSVP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hypothetical protein. _ _ SEQUENCE 552 AA; 59560 MW; CB40CB3F190C5E86 CRC64;
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Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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01-CCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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ng 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                      EMBL, AABXO1000032; EAA35208.1; -.
HSSP, Q60900; 1D9A.
InterPro; IPR000504; RNA_rec_mot.
Pfam; PF00076; RRM 1; 2.
PROSITE; PS50102; RRM; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
  q7syn3 ; Zgc:66137.
  (from "seq3uni.pep")
  TOIG of: q7syn3 check: 1015
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                                                                                                                                                                                                                                         preliminary data.
                                                                                                                      Nature 0:0-0(2003).
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using
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8 K S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEQUENCE FROM N.A.
MEDLINE=22788788; PubMed=12906859; DOI=10.1016/S0888-7543(03)00103-4;
Semova N., Kapanadze B., Corcoran M., Kutsenko A., Baranova A.,
                            SEQUENCE FROM N.A.

C STRAIN=AB; TISSUE=Whole body;

STRAIN=AB; TISSUE=Whole body;

Strainsberg R.,

Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.

EMBL; BCO54651; AAH54651.1; -

EMBL; BCO54651; AAH54651.1; -

R HSSP; Q13153; 1F3M.

R ZFIN; ZDB-GENE-040426-2841; ZGC:66137.

R GO; GO:0005524; F:ATP binding; IEA.

R GO; GO:00064634; P:protein serine/threonine kinase activity; IEA.

R GO; GO:0006469; P:protein amino acid phosphorylation; IEA.

InterPro; IPR001109; Kinase like.

InterPro; IPR00119; Prot Kinase.

R InterPro; IPR002290; Sex thr pkinase.

R Pfam; PF00069; Pkinase; 1.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
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SEPDGQASGGNDFGNDDWIFTIREKDPKKLQNGASLVGEEKPNKRPLSQSLSTVITPV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 420 AA; 46861 MW; 3DF4791331CD9E82 CRC64;
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01-0CT-2003 (TrEMBLrel. 25, Created)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
C-MYC promoter-binding protein IRLB.
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SMRT; SM00220; S.TKG; 1.
PROSITE; PS00107; PROTEIN KINASE AIP; 1.
PROSITE; PS50011; PROTEIN_KINASE_DOM; 1.
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q72401; C-MYC promoter-binding protein IRLB.
[Efform "seq3uni.pep"]
TOIG of: q72401 check: 8069 from: 1 to: 1
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BMB1, AF534401; AAQ10514.1;
InterPro; IPR005112; dDENN.
InterPro; IPR001194; DENN.
InterPro; IPR002865; PPR.
InterPro; IPR05513; uDENN.
Pfam; PF031455; dDENN; 1.
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PROSITE; PS50947; DDENN; 1
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PF03456; uDENN; 1.
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    RRY RAY ODER TO DE REST OF RES
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SEQUENCE FROM N.A.
TISSUB=Human spinal cord;
Ansorge W., Krieger S., Regiert T., Rittmueller C., Schwager B.,
Mewes H.W., Weil B., Amid C., Osanger A., Fobo G., Han M., Wiemann S.;
Submitted (JUN-2003) to the EMBL/GenBank/DDBJ databases.
EMBL, TAB032602; CAD089960.1;
InterPro; IPR005112; ddENN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein DKFZp451C1717 (Fragment).
Name-DKFZp451C1717;
Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                  Q72401 Length: 1865 February 4, 2005 13:17 Type: P Check: 8069 Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                           YFLWTKVRNVVLGVTQFKRALKKHAHLSQTTLSGGQSDLGYNSLSKDEVRRGDTSTEDIQ
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EEKDKKGSDCSSLSESESTKGSADCLPKLSYQNSSSIVRLTGTSNNSAGKISGESMES
                                                                                                                                                                                                                                                                                                                                                                                                                       EEKDKKGSDCSSLSESESTKGSADCLPKLSYQNSSSIVRLTGTSNNSAGKISGESMGK
PROSITE; PS50211; DENN; 1.
PROSITE; PS50946; UDENN; 1.
SEQUENCE 1865 AA; 209427 MW; 475AD139CABC92B3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE 1831 AA; 205650 MW; C9CD64C74C4A907A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , Hypothetical protein DKFZp451C1717 (Fragment).
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InterPro; IPR00513; uDENN.
Pfam; PR03214; DENN; 1.
Pfam; PF01535; PPR; 2.
Pfam; PF01535; PPR; 2.
Pfam; PF0355; UDENN; 1.
PROSITE; PS50947; DDENN; 1.
PROSITE; PS50946; UDENN; 1.
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  q86t77 ; Hypothetical pro
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TOIG of: q86t77 che
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SEQUENCE
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SWRREE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN=USDAI10;
MEDLINE=22484998; PubMed=12597275;
Kaneko T., Nakamura Y., Sato S., Minamisawa K., Uchiumi T.,
Sasamoto S., Watenabe A., Idesawa K., Iriguchi M., Kawashina K.,
Kohara M., Matsumoto M., Shimpo S., Tsuruoka H., Wada T., Yamada M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Complete genomic sequence of nitrogen-fixing symbiotic bacterium Bradyrhizobium japonicum USDA110.";
BNA Res. 9:189-197(2002).
EMBL: AP005952; BAC49979.1; -.
InterPro; IPR011003; Collar.
InterPro; IPR0110049; Serralysn_like_C.
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MEDLINE=22484998; PubMed=12597275;
Kaneko T., Nakamura Y., Sato S., Minamisawa K., Uchiumi T.,
Sasamoto S., Watanabe A., Idesawa K., Iriguchi M., Kawashima K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q89L34 Length: 1861 February 4, 2005 13:17 Type: P Check: 6303 Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                IDLGSIRTFAGSLAPNHTALASGQLLSIAQNTALFSLFGTTYGGNGQTTFELPNLQAK
                                                                                                                                                                                                                                                                                                                                Bradyrhizobium japonicum.
Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae; Bradyrhizobium.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1861 AA; 184721 MW; EB7F4C549B8B59E5 CRC64;
                                                                                                                                                                                                      01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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Last annotation update)
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                     . match found in sequence:
489134 ; B1r4714 protein.
(from "seq3uni.pep")
TOIG of: q89134 check: 6303 from: 1 to: 1861
                                                                                                                                                     PRT; 1861 AA
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(from "seq3uni.pep")
TOIG of: q89ml1 check: 5053 from: 1 to: 158
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
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NCBI_TaxID=375;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OrderedLocusNames=blr4382;
                                                                                                                                                                                                                                                                                                          OrderedLocusNames=blr4714;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pfam; PF07484; Collar; 3.
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                                                                                                                                                     PRELIMINARY;
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STRAIN=VPI-5482 / ATCC 29148;

MEDLINE=225508958; Pubmed=12653928; DOI=10.1126/science.1080029;

Xu.J., Bjursell M.K., Himrod J., Deng S., Carmichael L.K.,

Chiang H.C., Hooper L.V., Gordon J.I.;

"A genomic view of the human-Bacteroides thetaiotaomicron symbiosis.";

Science 299:2074-2076(2003).
Kohara M., Matsumoto M., Shimpo S., Tsuruoka H., Wada T., Yamada M.,
Tabata S.,
                                                                  "Complete genomic sequence of nitrogen-fixing symbiotic bacterium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LLSERIGVPVDKLNLVAVWREAPIYSARERAALAWTEALTFLPDGVSDEVYAEVTSEFSE
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HYQTYDITDLLRKGENAVGAQVSSGWMNSDVAHGEYGANEVGFIAKILLKYTDGTSETVV
                                                                                                                                                                                                                                                                                                                                                                                                             Q89M11 Length: 158 February 4, 2005 13:17 Type: P Check: 5053 Found using 'seq3' (mohamed337.key)
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Bacteroides thetaiotamicani.
Bacteroides Bacteroides (class); Bacteroidales;
Bacteroidaceae; Bacteroides.
NCBI_TaxID=818;
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                                                                                                                                                                                                                                                                                                                                                 158 AA; 17471 MW; FES3BF81378F57E4 CRC64;
                                                                                            Bradyrhizobium japonicum USDA110.";

BMB. Res. 9:189-197(2002).

BMB., AP005951; BAC49647.1;

GO; GO:0006725; P:catalytic activity; IEA.

GO; GO:0006725; P:aromatic compound metabolism; IEA.

InterPro; IPR004675; AhpD core.

TIGRFAM9; TIGR00778; ahpD dom; 1.

Complete protecome.

SEQUENCE 158 AA; 17471 MW; FE53BF81378F57E4 CRC6
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01-000-2003 (TrEMBLrel. 24, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g8a4s4 ; Alpha-rhamnosidase.
(from "seq3uni.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
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Found
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Drosophila polyhomeoticpermits new insights into relationships between members of the polyhomeotic family.";

Hum. Genet. 111:435-442(2002).

EMBL; AJ414610; CAC93885.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=22271642; PubMed=12384788;
Tonkin E., Hagan D.M., Li W., Strachan T.;
"Identification and characterisation of novel mammalian homologues of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE-22388357; PubMed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
NCBL_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q8CHP6 Length: 981 February 4, 2005 13:17 Type: P Check: 5433 Found using 'seg3' (mohamed337.key)
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755
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InterPro; IPR01660; SAM.
InterPro; IPR011510; SAM. 2.
InterPro; IPR011510; SAM. 2.
Pfam; PF07647; SAM. 2.
PROSITE; PS50105; SAM. 1.
PROSITE; PS50105; SAM. DOMAIN; 1.
SEQUENCE 981 AA; 105438 MW; CCC3CF42C1EE06B9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
C-myc promoter binding protein.
Name=MYCPBP;
                                                                                                                                                                                            Last sequence update)
Last annotation update)
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q8ivx2 ; C-myc promoter binding protein.
(from "seq3uni.pep")
TOIG of: q8ivx2 check: 2562 from: 1 to: 1863
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                                                                                                                      981 AA
                                                                      to: 981
                                                                                                                                                                      Created)
                                                                                                                      PRT;
                                                                      from: 1
                                                                                                                                                                 01-MAR-2003 (TrEMBLrel. 23, 01-MAR-2003 (TrEMBLrel. 23, 01-JUN-2003 (TrEMBLrel. 24, Polyhomeotic 3.
                                                  {from "seq3uni.pep")
TOIG of: q8chp6 check: 5433
                                                                                                                      PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens (Human)
match found in sequence:
                      q8chp6 ; Polyhomeotic 3.
(from "seq3uni.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P39769; 1KW4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A. STRAIN=C57BL/6J;
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                                                                                                                                                                                                                                                                   Name=Phc3;
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                                                                                                                        OBCHP6
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Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
A Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Rodrigues S., Sanchez A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,
A Jones S.J., Marra M.A.,
Jones S.J., Marra M.A.,
T. "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Check: 2562
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  YFLWTKVRNVVLGVTQFKRALKKHAHLSQTTLSGGQSDLGYNSLSKDEVRKGDTSTEDIQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EEKDKKGSDCSSLSESESTKGSADCLPKLSYQNSSSIVRLTGTSNNSAGKISGESMES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1863 AA; 209226 MW; CE653AD6AA6749A1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Homolog of polyhomeotic 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sci. U.S.A. 99:16899-16903(2002).
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MEDLINE=22271642; PubMed=12384788;
Tonkin E., Hagan D.M., Li W., Strachan T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1 to: 983
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    quadx ; Homolog of polyhomeotic 3.
    quadx "seq3uni.pep")
    TOIG of: q8ndxs check: 9513 from
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InterPro; IPR005113; uDENN.
Pfam; PF02145; dDENN; 1.
Pfam; PF02141; DENN; 1.
Pfam; PF01535; PPR; 2.
Pfam; PF01535; DPR; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Strausberg R.;
Submitted (DEC-2002) to the
EMBL; BC041706; AAH41706.1;
InterPro; IPR055112; dDENN.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROSITE; PS50947; DDENN; 1
PROSITE; PS50211; DENN; 1.
PROSITE; PS50946; UDENN; 1
SEQUENCE 1863 AA; 209221
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and mouse cDNA sequences.
Proc. Natl. Acad. Sci. U.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
TISSUE=Uterus;
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Fri Feb

774

seq3_uni.res

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"Identification and characterisation of novel mammalian homologues of Drosophila polyhomeoticpermits new insights into relationships between members of the polyhomeotic family."; Hum. Genet. 111:435-442(2002). EMBL; AJ120486; CAC86587.2; -. HSSP; P39769; IKW4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
Levine S.S., Weiss A., Erdjument-Bromage H., Shao Z., Francis N.J.,
Porrester W., Tempst P., Kingston R.E.;
Submitted (NOV-2001) to the BMBL/GenBank/DDBJ databases.
EMBL, AF444193; AAM51781.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EGFVIQEGLEPFPVSRSSLLIEQPVKKRPLLDNQVINSVCVQPELQNNTKHADNSSDTEM
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(mohamed337.key)
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EDMIAEETLEEMDSELLKCEFCGKMGYANEFLRSKRPCTMSCAKRYNVSCSKKFALSR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; IPR011069; Asp_transf_reg_C.
InterPro; IPR011060; SAM.
InterPro; IPR011110; SAM.
2.
InterPro; PF07647; SAM. 2; 1.
SMART; SM04647; SAM. 2; 1.
PROSITE; PS50105; SAM. DOMAIN; 1.
PROSITE; PS50105; SAM. DOMAIN; 1.
                                                                                                                                                                                                                                                                                                      Pfam; PF07647; SAM 2; 1.
SMART; SM00454; SAM; 1.
PROSITE; PS50105; SAM DOMAIN; 1.
SEQUENCE 983 AA; 106161 MW; 05819632A1675049 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-NAR-2003 (TrEMBLrel. 23, Last annotation update)
Polyhomeotic 3 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           983 AA.
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(from "seq3uni.pep")
TOIG of: q8nft7 check: 467 from: 1 to: 983
                                                                                                                                                                                                                Interpro; IPR011069; Asp transf_reg_C.
Interpro; IPR001660; SAM.
Interpro; IPR011510; SAM_2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRELIMINARY;
                                                                                                                                                                                      Genew; HGNC:15682; PHC3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length: 983
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   using 'seq3'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=HPH3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Found
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EDMIAEETLEEMDSELLKCEFCGKMGYANEFLRSKRFCTMSCAKRYNVSCSKKFALSR

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SEQUENCE FROM N.A.

Hansen M.F., Deshpande A.M., Nellissery M.J., Reveles X., Naylor S.L.,
Jackson L.G., Leach R.J.;
Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.

EMBL; AF380154; AAM46139.1; -..

EMBL; AF3801569; 1KW4.

InterPro; IPR011669; ASP_transf_reg_C.

InterPro; IPR011669; ASP_L

InterPro; IPR011510; SAM_2.

FFam; PF07647; SAM_2.

FROMET; SM0454; SAM_1.

FROSITE; PSS0105; SAM_DOMAIN; 1.

SRQUENCE 964 AA; 104211 MW; 79078C95F50EA206 CRC64;
                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :
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MEDLINE-21929760; PubMed=11932238; DOI=10.1101/gr.223902;
Galagan J.E., Nusbaum C., Roy A., Endrizzi M.G., Macdonald P.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     EGFVIQEGLEPFPVSRSSLLIEQPVKKRPLLDNQVINSVCVQPELQNNTKHADNSSDTEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Q8NFZ1 Length: 964 February 4, 2005 13:17 Type: P Check: 589 Found using 'seq3' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Archaea; Euryarchaeota; Methanomicrobia; Methanosarcinales; Methanosarcinaceae; Methanosarcina.
                                                                                                             01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
Early development regulator 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
1-JUNR-2004 (TrEMBLrel. 26, Last annotation update)
1-JUNA-2004 (TrEMBLAL 28, Last annotation update)
1-JUNA-2011 protein MA4241.
OrderedLocusNames=MA4241;
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                                                                 to: 964
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from: 1
                                                                 from: 1
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q8tib4; Hypothetical protein MA4241.
(from "seq3uni.pep")
TOIG of: q8tib4 check: 6994 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUN-2002 (TrEMBLrel. 21, 01-JUN-2002 (TrEMBLrel. 21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Methanosarcina acetivorans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                          PRELIMINARY;
                                                                 check: 589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                [1]
SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NCBI_TaxID=2214;
                                                                 TOIG of: genfz1
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RA Allen N., Naylor J., Engels R., Smirnov S., Atnoor D., Brown A., Allen N., Naylor J., Stange-Thomann N., DeArellano K., Johnson R., Linton L., McEwan P., McKernan K., Talamas J., Tirreil A., Ye W., RA Linton L., Marbar R.D., Cann I., Graham D.B., Grahame D.A., Guss A.M., Hedderich R., Ingram-Smith C., Kuettner H.C., Krzycki J.A., Liu J., Liu J., Mukhopadhyay B., Reve J.N., Smith K., RA Bpringer T.A., Umayam L.A., White H., He, de Macario E.C., Perry J.G. Jarrell K.F., White R.H., de Macario E.C., Perry J.G., Jarrell K.F., Swanson R.V., Zinder S.H., Lander B., The genome of Methanosarcina acetivorans reveals extensive metabolic and physiological diversity.", Genome Res. 12:532-544(2002).

R. BMBL, AB011136; AAW07866.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
Schulte U., Aign V., Hoheisel J., Brandt P., Fartmann B., Holland R., Nyakatura G., Mewes H.W., Mannhaupt G.; Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Neurospora crassa.
Bukaryota; Pungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Sordariomycetidae; Sordariales; Sordariaceae; Neurospora.
NCBI_TaxID=5141;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HDLKRAIKLTAHFRIPAVACINRYDINEKKSLEIEAFCREAGIPLLARLPYTDITTEAMM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Check: 6994
                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRINTS; PR00353; 4FE4SFRDOXIN.
ROSGITE; PS00198; 4FE4S, FERREDOXIN; UNKNOWN 1.
4Fe-45; Complete proteoms; Iron; Iron-sulfur; Metal-binding.
SEQUENCE 310 AA; 33172 MW; 1D0E0AE421DEBBA4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  German Neurospora genome project;
Submitred (JAN-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; ALG70002; CAD21224.1;
SEQUENCE 609 AA; 66237 MW; DD235095B2BE2201 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NEETVIEYAAHSRKAEAVEFVNIIRKLWADIKMRLSGPCDEEMCSKTLPIRES
                                                                                                                                                                                                                                                                                                               GO; GO:0005489; F:electron transporter activity; IEA.
GO; GO:0005506; F:iron ion binding; IEA.
GO; GO:000518; P:electron transport; IEA.
InterPro; IPR001450; 4Fe48 ferredoxin.
InterPro; IPR002586; CbiA.
Fem; PF01056; CbiA; 1.
Pfam; PF01057; Fer4; 2.
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Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            from: 1 to: 609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-MAR-2002 (TrEMBLrel. 20, 01-MAR-2002 (TrEMBLrel. 20, 01-MAR-2004 (TrEMBLrel. 26, Related to monomer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             . match found in sequence:
q8wzz3; Related to ATROPHIN-1.
(from "seq3uni.pep")
TOIG of: q6wzz3 check: 81 fr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Related to ATROPHIN-1.
Name=B24G3.070;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28WZZ3;
            198
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Bukaryota; Buglenozoa; Kinetoplastida; Trypanosomatidae; Leishmania.
NCBL_TaxID=5664;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kawakami B., Sugiyama A., Takemoto M., Suzuki Y., Hata H.,
Nakagawa K., Mizuno S., Morinaga M., Kawamura M., Sugiyama T.,
Irie R., Otsuki T., Sato H., Nishikawa T., Nagai K., Isogai T.,
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EHGSPRIADVAVAQTFDDDAPRDPGEBADSESDAESVYSTISEDLVHYRPRAEWTSDLSD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CFANTTPSGKSVSSSSVETGPSVSEPPGLPRVSAYVDTTADLDRKLSFSHSDHSSEMSL
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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein L3180.04 (Hypothetical protein P265.05)
Name=L3180.04; Synonyms=P265.05
                                                                                                                                                     -----|
NDEPPYPSTSSPFRFDSPDAVGPAVKSSLEAKRAKRRAVRKEASWNPGLACFEARRD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
EMBL, AKOS8171; BAB71701.1; -.
Genew, HGNC:22957; SPATS1.
SEQUENCE 300 AA, 33705 MW, 20A052131D2E4D98 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          096LJ0;
01-DBC-2001 (TrEMBLrel. 19, Created)
01-DBC-2001 (TrEMBLrel. 19, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein FLJ25442.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ą.
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(from "seq3uni.pep")
TOIG of: q961j0 check: 5066 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               [1] -
SEQUENCE FROM N.A.
STRAIN=Friedlin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NCBI_TaxID=9606;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sugano S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ------
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(from
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                                       104
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Type: P Check:

2005 13:17

Q8WZZ3 Length: 609 February 4, Found using 'seq3' (mohamed337.key)

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-OCT-2000 (TrEMBLrel. 15, Created)
01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Emb[CAB75482.1.
Arabidopsis thaliana (Mouse-ear cress).
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta: Magnoliophyta; eudicotyledons; core eudicots; rosids;
eurosids II; Brassicales; Brassicaceae; Arabidopsis.
NCBI_TaxID=3702;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE FROM N.A.
Sato S., Nakamura Y., Kaneko T., Kato T., Asamizu E., Tabata S., Sato S., Nakamura Y., Kaneko T., Kato T., Asamizu E., Tabata S., Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.
EMBL, AB025626; BAB01278.1; -.
GO, GO:0007242; P:intracellular signaling cascade; IEA.
InterPro; IPR011424; Cl 3.
InterPro; IPR000345; CytC_heme_BS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NPCWSRCGEAVSDGDGGERHRAYVQQICTACPLLERLDDVVVDDGEEVMQHSDNSTESDV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             33 February 4, 2005 13:17 Type: P Check: 7765 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                              Robben J., Grymonprez B., Weltjens I., Aert R., Volckaert G., Ivens A.C., Quail M., Rajandream M.A., Barrell B.G.; Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases. EMBL; AL391629; CAC05310.1; -. EMBL; AL359716; CAD19414.1; -. InterPro; IPR001611; LRR.
MEDLINE=98146435; PubMed=9477341;
Ivens A.C., Lewis S.M., Bagherzadeh A., Zhang L., Chan H.M.,
Smith D.F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KDVAERRSASAAGAAPSQAGGITVRRVHNSVEAARAASSRACVHDIHTRSSLAPPGSL
                                                                        "A physical map of the Leishmania major Friedlin genome."; Genome Res. 8:135-145(1998).
                                                                                                                                                                        STRAIN=Friedlin;
Oliver K., Murphy L., Harris D., Ivens A.C., Quail M.,
Rajandream M.A., Barrell B.G.;
Submitted (MGG-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hypothetical protein.
SEQUENCE 633 AA, 67461 MW; D78916F4AA74893F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              677 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1 to: 677
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MEDLINE=20277480; PubMed=10819329;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pfam; PF00560; LRR 1; 1.
PRINTS; PR00019; LEURICHRPT.
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DNA Res. 7:131-135(2000).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . match found in sequence:
q91t64 ; Emb|CAB75482.1.
(from "seq3uni.pep")
TOIG of: q91t64 check: '
                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                              STRAIN=Friedlin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q9GYD3 Length: 633
Found using 'seq3' (m
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  255
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01-OCT-2000 (TrEMBLrel. 15, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
MacCT-2003 (TrEMBLrel. 25, Last annotation update)
Name-Y32H12A.6; ORFNames-Y32H12A.6;
Caenorhabditis elegans.
Caenorhabditis elegans.
Elkaryota; Metacoda; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "Genome sequence of the nematode C. elegans: a platform for investigating biology. The C. elegans Sequencing Consortium."; Science 282:2012-2018(1998).
                                                                                                                                                                                                                                                                                                                                                                                                      HFKTCQSCGIDHTKVVIGCLKCNYFLDFRCATLPLTVSLPRYDDHPLTLCYGEKSSDKYW
                                                                                                                                                                                                                                                         Q9LT64 Length: 677 February 4, 2005 13:17 Type: P Check: 7096 'ound using 'seq3' (mohamed337.key)
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CDICERETNIETWFYTGSESGVTLHILCVLGDIRYAKPGGNICEGGFVLPNNSSTRPI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=Bristol N2;
Holmes A., Elliot G., Cloud J.;
"The sequence of C. elegans cosmid Y12H12A.";
Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Waterston R.;
Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            to the EMBL/GenBank/DDBJ databases.
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InterPro; IPR002219; DAG_PB-bind.
InterPro; IPR004146; DC1_
Pfam; PF03107; C1_2; 2.
Pfam; PF031049; C1_3; 5.
SMART; SM00109; C1; 1.
PROSITE; PS00190; CYTOCHROME C; UNKNOWN 1.
PROSITE; PS0091; DAG_PB_BIND_DOM_2; 2.
SEQUENCE 677 AA; 77118 MW; 8DDD2E7436D3132C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1 to: 279
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
gfn535; Hypothetical protein Y32H12A.6.
(from "seq3uni.pep")
TOIG of: q9n535 check: 9100 from: 1
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MEDLINE-99069613; PubMed-9851916;
WormBase Consortium;
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STRAIN=Bristol N2;
Waterston R.;
Submitted (MAR-2000) t
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Submitted (MAR-2000)
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SEQUENCE FROM N.A.
STRAIN=Bristol N2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               [3]
SEQUENCE FROM N.A.
STRAIN=Bristol N2;
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SEQUENCE FROM N.A.
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TEVEL FNTTDTDKQTMER FVEFS FELLLQMDKHL PGMSGEDTEESEVGDDRSESSSDDNE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drosophila melanogaster (Fruit fly).
Eukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Pterygota, Neoptera, Endopterygota, Diptera, Brachycera, Muscomorpha, Ephydroidea, Drosophilidae, Drosophila.
NCBI_TaxID=7227,
        Submitted (OCT-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                        Naterston R.;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                    Wilson R.;
Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases.
                                                      to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                   to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                          Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases
                                                                                                    to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                             279 AA; 31829 MW; 47286DB425912264 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                EMEL, ACO06731, AAF60484.11, ...
Wormbase, WBGene00021314, Y32H12A.6.
Wormpep, Y32H12A.6, CE21510.
GO; GO:0010181; F:FWN binding; IEA.
GO; GO:0010181; F:FWN binding; IEA.
FROSTIE; PSS0902; Flav nitox synth.
PROSTIE; PSS0902; FlavooxIN_LIKE; 1.
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT; 1937 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          check: 9088 from: 1 to: 1937
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-MAY-2000 (TrEMBLrel. 13, Created)
01-0CT-2002 (TrEMBLrel. 22, Last seq
01-MAR-2003 (TrEMBLrel. 23, Last anno
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRELIMINARY;
                                                                                 STRAIN-Bristol N2;
Waterston R.;
Submitted (MAY-2002)
                                               Waterston R.;
Submitted (DEC-2001)
                                                                                                                                                   Submitted (NOV-2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
    g9vt17 ; CG3280-PA.
    (from "seq3uni.pep")
    TOIG of: q9vt17 check: 3
                                                                                                                                                                                                                                                                                  WormBase Consortium;
                                                                                                                       SEQUENCE FROM N.A. STRAIN=Bristol N2;
                                                                                                                                                                               STRAIN-Bristol N2;
                                      STRAIN-Bristol N2;
                                                                                                                                                                                                                           STRAIN-Bristol N2;
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                           SEQUENCE FROM N.A.
                                                                          SEQUENCE FROM N.A.
                                                                                                                                                                     SEQUENCE FROM N.A.
                                                                                                                                                                                                                   SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                          STRAIN=Bristol N2
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 Waterston R.;
                                                                                                                                           Waterston R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         VEEKHKKŠK
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                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE
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 211
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REGURENCE FROM N.A.

REGURENCE FROM N.A.

Adams N.D., Centilder S.E., Noll R.A., Evans C.A., Goodwas J.D.,

Adams N.D., Centilder S.E., Noll R.A., Evans C.A., Goodwas J.D.,

Adams N.D., Centilder S.E., Noll R.A., Evans C.A., Goodwas J.D.,

Adams N.D., Centilder S.E., Noll R.A., Evans C.A., Goodwas J.D.,

B. Goods C., Scherer S.E., Hiller B. M., Chang M., Fielffer B.D.,

Mann K.H., Doyle C., Baxere E.G., Halt G., Nalson C.E., Gabor G.L.,

Ballow M. W. Basu M., Basundala D., Barder Petantoch C., Baldwin D.,

Ballow M. W. Basu M., Basundala D., Brockstein D., Bolchkov S.,

Bardon R.C., Borders P.W., Berman B.D., Bandarin D., Bolchkov S.,

Bardon R.C., Borders P.M., Barnendala D., Brockstein D., Bolchkov S.,

Bardon R.C., Borders D., Berman B.D., Bandarin D., Bolchkov S.,

Bardon R.Y., Benne D., Andre C., Bayerktarogin L., Bolchkov S.,

Bardon R., Doup L.E., Downer M., Dougen R.Coha S., Doukov B.C., Dunn P.,

Durbin R.V., Goong F., Goorell J. H., Gu Z., Glabar W. M., Glasser K.,

Goods K., Milahira N.V., Mondagar T.C., McGod M.P., Marzis M.,

Bartis N.L., Harvyo D., Hanning T.C., McGod M.P., Marzis M.,

Bartis N.L., Harvyo D., Hanning T.C., McGod M.P., McRison D.L.,

Ballow R.W., Marriby B.W., Marriby B.W., Marris M., Glasser K.,

Goods K., Milahira N.V., Mobarry C., McGod M.P., Will D., Lini Z.,

Bartis N.L., Martis R.W., Marriby B.W., Marriby D., M., Nalson D.L.,

Malson D. R., Siden K.A., Nixon E., Marskern D.R., Radion D.L.,

Malson D. W., Marriby B., Murrby M., Marriby D., Marris M.,

Bartis N.L., Martis R.W., Marriby B., Murrby M., Strong R.,

Millans R.W., Modagar W., Marriby B., Murrby M., Marriby D., Marriby B.,

Bartis N.L., Martis M., Marriby B., Murrby M., Strong R.,

Millans R.W., Modagar W., Marriby B., Murrby M., Marriby B., Marrby M., Marriby B., Marr
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using
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FlyBase; FEGN0027341; Gfat1.

GO; GO:0005737; C:cytoplasm; IEA.

GO; GO:0004360; F:glutamine-fructose-6-phosphate transaminase. . .; IEA.

GO; GO:0016740; F:glutamine-fructose-6-phosphate transaminase. . .; IEA.

GO; GO:0016740; F:transferase activity; IEA.

GO; GO:0016741; F:transferase activity; IEA.

GO; GO:0016051; P:carbohydrate biosynthesis; IEA.

GO; GO:0016051; P:metabolism; IEA.
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Functional regulation of glutamine:fructose-6-phosphate
aminotransferael 1 (GPAT1) of Drosophila melanogaster in a UDP-N-
acetylglucosamine and cAMP-dependent manner.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDLINE=21573685; PubMed=11716769; DOI=10.1042/0264-6021:3600401;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q9VI17 Length: 1937 February 4, 2005 13:17 Type: P Check: 9088 Found using 'seg3' (mohamed337.key)
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01-MRA-2004 (TrEMBLrel. 26, Last annotation update)
Glucosamine-fructose-6-phosphate aminotransferase.
Name-efati, Synonyms-gfat,
Drosophila melanogaster (Fruit fly).
Bukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Pterygota,
Boptera, Endoptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
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DDSTSTATWGEDGGGLFSTTAAAALISTTVQRLKCYNMTVKCSKLRRNIISGKHLATT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        EMBL; AE003551; AAF50239.2; -.
FlyBase; FBgn0036017; CG3280.
SEQUENCE 1937 AA; 217137 MW; FD2ED63CBED2FD1A CRC64;
                                                                                                                                                                                                                                              to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Graack H.;
Submitted (JAN-1999) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                       FlyBase;
Submitted (MAR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Glucosamine--fructose-6-phosphate aminotransferase.
     systematic review.";
Genome Biol. 3:RESEARCH0083-RESEARCH0083(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            694 AA
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01-NOV-1999 (TrEMBLrel. 12, Created)
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InterPro; IPR00585; GlmS_trans.
InterPro; IPR001347; SIS.
Pfam; PP00310; GATase_2; 1.
Pfam; PP01380; SIS; 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Biochem. J. 360:401-412(2001).
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HSSP; P17169; 1GDO.
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                                                                                                                                                                                                           FlyBase;
Submitted (SEP-2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
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TOIG of: q9y093 che
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REPRESENT SERVICE SON SERVICE 
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STRAIN-KIMS / Biovar Mediaevalis;
MEDLINB=22137863; PubMed=12142430;
DOI=10.1128/JB.184.16.4601-4611.2002;
Deng W., Burland V., Plunkett G. III, Boutin A., Mayhew G.F., Liss P., Perna N.T., Rose D.J., Mau B., Zhou S., Schwartz D.C., Fetherston J.D., Lindler L.E., Brubaker R.R., Plano G.V., Straley S.C., McDonough K.A., Nilles M.L., Matson J.S., Blattner F.R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sthayerpe ; Soluble pyridine nucleotide transhydrogenase (BC 1.6.1.1) (STH)
(from "seq3uni.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=21470413; PubMed=11586360; DOI=10.1038/35097083; Parkhill J., Wren B.W., Thomson N.R., Titball R.W., Holden M.T.G., Prentice M.B., Sebainia M., James K.D., Churcher C.M., Mungall K.L., Baker S., Basham D., Bentley S.D., Brooks K., Cerdeno-Tarraga A.-M., Chillingworth T., Cronin A., Davies R.M., Davis P., Dougan G., Feltwell T., Hamlin N., Holroyd S., Jagels K., Karlyshev A.V., Leather S., Moule S., Oyston P.C.F., Quail M.A., Rutherford K.M., Simmonds M., Skelton J., Stevens K., Whitehead S., Barrell B.G.; "Genome sequence of Yersinia pestis, the causative agent of plague.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-FEB-2003 (Rel. 41, Created)
28-FEB-2003 (Rel. 41, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
Soluble pyridine nucleotide transhydeogenase (EC 1.6.1.1) (STH)
(NAD(P)(+) transhydrogenase (B-ppecific)).
Name=sthA, Synonyms=udhA, OrderedLocusNames=YPO3914, y0321, YP3134;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bacteria, Proteobacteria, Gammaproteobacteria, Enterobacteriales,
Enterobacteriaceae, Yersinia.
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IKTKTRLATDHIPILYGKDDKKLCTDQDADSGKPQDIRPHGQSRELPVLPRSESTSEFMP
                                                                                                                                                    gth: 694 February 4, 2005 13:17 Type: P Check: 7927 'seq3' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LEEKEVEY FFASDASAVI EHTNRVI YLEDDDVAAVRDGTLS IHRLKKSLDDPHAREIT
                                                                                            694 AA; 78124 MW; 57286BA7D4F7D328 CRC64;
TIGRFAMS; TIGRO1135; glmS; 1.
PROSITE; PS00443; GATASE_TYPE_II; UNKNOWN_1.
Aminotransferase; Transferase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 466
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STRAIN=CO-92 / Biovar Orientalis;
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                                                                                                                                                              Length: 694
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                                                                                               SEQUENCE
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energy generation (By similarity)

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                                   --- CATALYTÍC ACTIVITY: NADPH + NAD(+) = NADP(+) + NADH.
--- COFACTOR: Binda 1 FAD per subunit (By similarity).
--- SUBCELLULAR LOCATION: Cytoplasmic (By similarity).
--- SIMILARITY: Belongs to the class-I pyridine nucleotide-disulfide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                InterPro; IPR001100; Pyr_redox.
InterPro; IPR00409; Pyr_redox_dim.
Pfam; PF00070; Pyr_redox_dim.
Pfam; PF00070; Pyr_redox_dim; 1.
Pfam; PF00189; Pyr_redox_dim; 1.
PRINTS; PR00189; PADRDRSE.
PRINTS; PR00189; PADPAR.
PRINTS; PR00181; PADPARE.
PRINTS; PR00191; PNDRDTASEI.
Probom; PD000139; PAD_pyr_redox; 1.
Complete proteome; FAD; Plavoprotein; NAD; NADP; Oxidoreductase.
NP BIND 36 FAD; FI382 MW; D6CD965D6CF3ECE CRC64;
SEQUENCE 466 AA; 51382 MW; D6CD965D6CF3ECE CRC64;
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ADNIVIATGSRPYRPVNVDFNHERIYDSDTILQLSHEPQHVIIYGAGVIGCEYASIFR
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|Y | IRO00755; Adrndx reductase.
|Y | IRR00137; FAD pyr redox.
|Y | IRR001815; Hg reductase.
|Y | IRR00205; NAD BS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -- Search Statistics --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; AJ414159; CAC93380.1; -.
EMBL; AE01331; AAM3912.1; ALT_INIT.
EMBL; AE017139; AAS63304.1; -.
PIR; AH0476; AH0476.
                                                                                                                                                                                                            oxidoreductase family.
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Number of sequence hits:
Number of separate matches:
Number of sequence hits saved:
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SO THE PRINCE OF SOURCE OF
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Selected search type is key against sequence data banks or files.
Selected scope is Sequence.
Selected sequence key from "mohamed337.k*v":
                                                              Qùick User-directed Expression Search Tool
5.4
                                                                                                          -- Outline of search "seq4_ags"
                                                                                                                                              elected scope is Sequence.

elected sequence key from "mohamed337.key";

seq4 (AA) ID seq4 AA preliminary pattern
followed by
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s or g or a or t
g or a or t
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or s or t
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        any character
any character
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                IntelliGenetics
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Release
0
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File : seq4ags.pep

-- Output Parameters

	No	No	Yes	Yes	Yes	
File Options:	Indirect file	Sequence or key file	List of hits	Hit display	Name and annotations	
	Exact	Q Q	Yes	Yes	Yes	20
Format Options:	Nucleic acid code matching	Find non-matching hits only	Report key used	Note position of hit	Display full annotations Ye	Sequence context

-- Run Parameters

Batch now No Time to start comparison Notify at end of run Run mode

l match found in sequence:
abb07484 ; Amino acid sequence of an extendin-4 fragment.
(from "seq4ags.pep")
TOIG of: aabb77484 check: 4889 from: 1 to: 30

AAB07484 standard; peptide; 30 AA

AAB07484; SXS

(first entry) 20-OCT-2000 Amino acid sequence of an extendin-4 fragment.

Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagonoma; glucagonoma; hyperglucagonemia; diabetes.

Heloderma suspectum

Synthetic.

Location/Qualifiers Key Modified-site

/note= "optionally amidated"

WO200041548-A2

20-JUL-2000

14-JAN-2000; 2000WO-US000942

14-JAN-1999; 30-APR-1999;

14-JAN-1999; 99US-0116380P. 30-APR-1999; 99US-0132017P. 10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC.

Young A, Gedulin B;

WPI; 2000-490999/43.

Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.

Disclosure; Page 12; 96pp; English.

The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating erythema or glucagonoma. The method is also useful for treating glucagon levels and/or suppression of glucagon, e.g. type I and type 2 diabetes

Sequence 30 AA;

4, 2005 13:20 Type: P Check: 4889 AAB07484 Length: 30 February 4, Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG 28

1 match found in sequence: aab07485 ; Amino acid sequence of an extendin-4 fragment. to: 28 from: 1 check: 700 (from "seq4ags.pep") TOIG of: aab07485 o

AAB07485 standard; peptide; 28 AA

AAB07485;

20-OCT-2000 (first entry) 田城站城路城田

Amino acid sequence of an extendin-4 fragment

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The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
       Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB07485 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
abb7486; Amino acid sequence of an extendin-4 fragment.
(from "seq4age.pep")
TOIG of: aab07486 check: 9131 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Amino acid sequence of an extendin-4 fragment.
                                                                                                                                                                          /note= "optionally amidated"
                                                                                                                        Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 12; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB07486 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                          AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                           Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-490999/43.
                                                                                     suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
                                                                                                                                                                                                             WO200041548-A2
                                                                                                                                                         Modified-site
                                                                                                                                                                                                                                               20-JUL-2000
                                                                                                       Synthetic.
                                                                                     Heloderma
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                                                                                                                                                                                                                                                                                                                                                                                                                             Young A,
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The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin administering an exendin, an explain a plucagon, compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonnear. The method is also useful for treating the hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                  Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aab07487 ; Amino acid sequence of an extendin-4 fragment.
                                                                                               /note= "optionally amidated"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQLEEEAVRLF1EFLKNGGPSSGAPPPS
                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 12; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                         14-JAN-2000; 2000WO-US000942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 261
                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                   Gedulin B;
              Heloderma suspectum.
Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-490999/43.
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TOIG of: aab07487
                                                                                                                                        WO200041548-A2
                                                                                 Modified-site
                                                                                                                                                                         20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                       Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diabetes
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Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.

Heloderma suspectum Synthetic.

Amino acid sequence of an extendin-4 fragment.

(first entry)

20-OCT-2000

AAB07487;

AAB07487 standard; peptide; 28 AA

20-JUL-2000

Young A,

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The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                   Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB07488 Length: 28 February 4, 2005 13:20 Type: P Check: 151
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11126 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aab11126 ; exendin agonist SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKOLEEEAVRLAIEFLKN
1
                                                                                                                              99US-0116380P.
                                                                                                                                                  30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P.
                                                                                       14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-FEB-2001 (first entry)
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                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                              Young A, Gedulin B;
                                                                                                                                                                                                                                                                                                            WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (from "seq4ags.pep")
TOIG of: aab11126 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
  WO200041548-A2
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                                                                                                                                  14-JAN-1999;
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                                           20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11126;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, the method is useful for lowering plasma or glucagonem. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Check: 261
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aab07488 ; Amino acid sequence of an extendin-4 fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB07487 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
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                                           /note= "optionally amidated"
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 12; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB07488 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                     14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                              14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                          Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-490999/43.
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TOIG of: aab07488 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
  Key
Modified-site
                                                                                         WO200041548-A2
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Modified-site
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diabetes

Synthetic.

Check: 4889

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Type: P Check: 700
                                                                                                                    Type: P
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                                                                                                                    30 February 4, 2005 13:19 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                       match found in sequence:
aabl1128; exendin agonist SEQ ID NO 40.
(from "seq4ags.pep")
TOIG of: aabl1128 check: 700 from: 1
                                                                                                                                                                                                                HGEGTFTSDLSKOMEEEAVRLF1EWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aab11129 ; exendin agonist SEQ ID NO
 (from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKQMEEEAVRLFIEWLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist SEQ ID NO 40.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      or reducing food intake
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                                                                      Sequence 30 AA;
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                                                                                                                    AAB11127 Length:
Found using 'seq4'
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    88333
                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11126 Length: 30 February 4, 2005 13:19 Type: P Check: 4889 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 30
                             Kolterman 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                             Disclosure; Page 25; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
abili27; exendin agonist SEQ ID NO 7.
(from "seq4ags.pep")
TOIG of: aabili27 check: 4889 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30 AA
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10-JAN-2000; 2000US-0175365P.
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                          L'italien JJ,
                                                                        WPI; 2000-514584/46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 30 AA;
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                             Young A,
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AAB11129

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                       formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 26; 281pp; English.
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aab11131; exendin agonist SEQ ID NO
(from "seq4ags.pep")
TOIG of: aab11131 check: 151 from:
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HGEGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                       14-JAN-2000; 2000WO-US000902
                                                                                            14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    or reducing food intake
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                                                                                                                                                                                                                                    WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
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                                                                                                                                                                                             Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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to: 39
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from: 1
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aablillo; exendin agonist SEQ ID NO 41.
(from "seq4ags.pep")
TOIG of: aablill30 check: 261 from: 1
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                                       39 AA
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                                                                                                                                                          exendin agonist SEQ ID NO 9.
                                       AAB11129 standard; peptide;
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check: 9131
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TOIG of: aab11129
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AAB11130;

BX8XEXEXEXEX BX8XXXXX

Young A,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to inculin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                             This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
abbill34 ; exendin agonist peptide SEQ ID NO 42.
(from "seq4ags.pep")
TOIG of: aabill34 check: 249 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 49; Page 127; 281pp; English
               Disclosure; Page 26; 281pp; English.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                           or reducing food intake
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Check: 249

AAB11134 Length: 28 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                           l match found in sequence:
aabl1135; exendin agonist peptide SEQ ID NO 43.
  (from "seq4ags.pep")
TOIG of: aab11135 check: 166 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aabl1136; exendin agonist peptide SEQ ID NO 44. (from "seq4ags.pep")
TOIG of: aabl1136 check: 231 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 50; Page 128; 281pp; English.
                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 43.
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HAEGTFTSDLSKOLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                    14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                    WO200041546-A2
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                                                                                                                                                                                                                  20-FEB-2001
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                                                                                                                                                                                                                                                                                                                                     Synthetic.
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                                                                                                                                                                                   AAB11135;
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(AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
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                            Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New
                                                                New
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                           Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                            February 4, 2005 13:19 Type: P Check: 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aab11137 ; exendin agonist peptide SEQ ID NO 45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     t0:
         exendin agonist peptide SEQ ID NO 44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 45.
                                                                                                                                                                                 Kolterman O
                                                                                                                                                                                                                                                   Example 51; Page 129; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTATSDLSKQLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                               14-JAN-2000; 2000WO-US000902
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                              (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                L'italien JJ,
                                                                                                                                                                                                                                                                                                                                         or reducing food intake
                                                                                                                                                                                                    WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                             AAB11136 Length: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aab11137
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                                                                                                                                                                                                                                                                                                                                                          Sequence 28
                                                                                             20-JUL-2000
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                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                  Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the
                                                                                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin or exendin aganist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                       formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
aab11138 ; exendin agonist peptide SEQ ID NO 46.
(from "seq4ags.pep")
TOIG of: aab11138 check: 151 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB11137 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                    Example 52; Page 130; 281pp; English.
   Kolterman
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HGEGTFTADLSKQLEEEAVRLFIEFLKN
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L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young A, L'italien JJ,
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                                                                       WPI; 2000-514584/46
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(first entry)

8888888

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Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
        aab11140 ; exendin agonist peptide SEQ ID NO 48.
                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 48.
                                                                                       AAB11140 standard; peptide; 28
                             (from "seq4ags.pep")
TOIG of: aabil140
                                                                                                                                                                                                                                                                                                                                                     WO200041546-A2
                                                                                                                                                                     20-FEB-2001
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                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                             AAB11140;
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                                                                                       This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                              AAB11138 Length: 28 February 4, 2005 13:19 Type: P Check: 151 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                           match found in sequence:
aabl1139; exendin agonist peptide SEQ ID NO 47.
(from "seq4ags.pep")
TOIG of: aabl1139 check: 63 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 47.
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HGEGTFTSDASKQLEEEAVRLFIEFLKN
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                                                                                                          Sequence 28 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                  Young A, L'italien JJ, Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                          Example 55; Page 132; 281pp; English.
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(from "seq4ags.pep")
TOIG of: aab11141 check: 53 from: 1
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14-JAN-2000; 2000WO-US000902.
                                                  14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                       WPI; 2000-514584/46.
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1 match found in sequence:

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aab11143; exendin agonist peptide SEQ ID NO 51.
(from "seq4ags.pep")
TOIG of: aab11143 check: 201 from: 1 to: 28
                                                                     Example 57; Page 133-134; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 58; Page 134; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 51.
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HGEGTFTSDLSKQAEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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  ##X8X000000000X8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabil142 ; exendin agonist peptide SEQ ID NO 50.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 56; Page 133; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKALBEBAVRLFIBFLKN
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                                                                                                                14-JAN-2000; 2000WO-US000902
                                                                                                                                                           14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aab11142 check: 107
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                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                                                           L'italien JJ,
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                                                                                                                                                                                                                                                                                                                        WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                       WO200041546-A2
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                                                                     20-JUL-2000
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which acts a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                  antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                            gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 60; Page 136; 281pp; English.
                                                                      exendin agonist peptide SEQ ID NO 53
                                                                                                                                                                                                                                                                                                                                                 14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             food intake
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                                                                                                                       Exendin; agonist;
plasma glucose; ga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seq4ags.pep")
TOIG of: aab11146 o
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                                                                                                                                                                                                                                                 WO200041546-A2.
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
  AAB11143 Length: 28 February 4, 2005 13:19 Type: P Check: 201 oun'd using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    plasma glucose; gastric emptying; food intake
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aabl1145; exendin agonist peptide SEQ ID NO 53.
(from "seq4ags.pep")
TOIG Of: aabl1145 check: 193 from: 1 to: 28
                                                                                                                                                                                                match found in sequence:
aabl1144, exendin agonist peptide SEQ ID NO 52.
(from "seq4ags.pep")
TOIG of: aabl1144 check: 197 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB11144 Length: 28 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 52
                                                                                                                                                                                                                                                                                                                            AAB11144 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQLEAEAVRLFIEFLKN
                                                                             |------HGEGTFTSDLSKQLAEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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                            Found using 'seq4'
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying, food intake.
Check: 193
 Type: P
                                                                                                                        to: 28
                                                                                                   exendin agonist peptide SEQ ID NO 54.
Length: 28 February 4, 2005 13:19
3 'seq4' (mohamed337.key)
                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 54.
                                                                                                                        from: 1
                                                                                                                                               AAB11146 standard; peptide; 28 AA
                                           HGEGTFTSDLSKQLEEAAVRLFIEFLKN
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AAB11145 standard; peptide; 28 AA

AAB11145

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New
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                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
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treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                  to: 28
                                                                                                                                                                                                                                                                                                                                                                 . match found in sequence:
aabili147; exendin agonist peptide SEQ ID NO 55.
(from "seq4ags.pep")
TOIG of: aabili147 check: 9921 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 55.
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                                                      Kolterman
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10-JAN-2000; 2000US-0175365P
 99US-0116380P
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          10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11147 standard; peptide;
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                                (AMYL-) AMYLIN PHARM INC
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                                                    L'italien JJ,
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                                                                          WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                       Sequence 28 AA;
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 14-JAN-1999;
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                                                      Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
abbill48; exendin agonist peptide SEQ
(from *seq4ags.pep")
TOIG of: aablil48 check: 30 from: 1
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HGEGTFTSDLSKQLEEEAVALFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                               Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11148;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A,
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match

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              February 4, 2005 13:19 Type: P Check: 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aabl1151; exendin agonist peptide SEQ ID NO 59. (from "seq4ags.pep")
TOIG of: aabl1151 check: 9975 from: 1 to: 28
                                                                                                                                                                                                                                                                                            Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 65; Page 140; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKOLEEEAVRLFIEALKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB11151 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28 February 4, (mohamed337.key)
                                                                                                                                             14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                      14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                        Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                food intake
                                                                                                                                                                                                                                                                                                                                   WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200041546-A2.
                                                          WO200041546-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Found using 'seq4'
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                                                                                                                                                                                      14-JAN-1999;
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                                                                                                   20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                or reducing
                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB11151;
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                            Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11149 Length: 28 February 4, 2005 13:19 Type: P Check: 165 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                  plasma glucose; gastric emptying; food intake
                                  aabili149; exendin agonist peptide SEQ ID NO 57. (from "seq4ags.pep")
TOIG of: aabili149 check: 165 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . match found in sequence:
aabl1150; exendin agonist peptide SEQ ID NO 58.
(from "seq4ags.pep")
TOIG of: aab11150 check: 116 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 64; Page 139; 281pp; English.
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                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 57
                                                                                                                         AAB11149 standard; peptide; 28 AA
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L'italien JJ,
                   found in sequence:
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                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                  AAB11149;
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to: 28

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Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                       This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                             Check: 9975
                                                                                                                                                                                                                                                                                                                           28 February 4, 2005 13:19 Type: P (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aab11152 ; exendin agonist peptide SEQ ID NO 60.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO 60
                                                                                      Example 66; Page 140; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11152 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQLEEEAVRLFIEFAKN
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                     or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-514584/46.
WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aab11152
                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                           AAB11151 Length:
Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young A,
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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin of exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes a novel formulation (I) comprising an exendin or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
      Type: P Check: 9991
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                                                                                                                                                                                                                                                          1 match found in sequence:
abblins3 ; exendin agonist peptide SEQ ID NO 61.
    (from "seq489.ppp")
    TOIG of: aablils3 check: 9897 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                         to: 28
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AAB11152 Length: 28 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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aab11154 ; exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 68; Page 142; 281pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11153 standard; peptide; 28 AA
                                                                                                                             HGEGTFTSDLSKQLEEEAVRLFIEFLAN
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young A, L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-514584/46
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TOIG of: aabil154
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB11153;
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20-FEB-2001

AAB11154;

20-JUL-2000

foung A,

Synthetic.

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aab11156; exendin agonist peptide SEQ ID NO 64. (from "seq4ags.pep")
TOIG of: aab11156 check: 3293 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2005 13:19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKOLBEEAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                            Example 70; Page 143; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11156 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            38 February 4, (mohamed337.key)
14-JAN-2000; 2000WO-US000902
                                           14-JAN-1999; 99US-0116380P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            99US-0116380P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                              Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               L'italien JJ,
                                                                                                                                                                                       WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11155 Length:
Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-JUL-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11156;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UXXXEXBXEXX8XX8XEXEXEXEX
  #X##X#X#X#X#X#X#F#X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                         Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes, plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Type: P Check: 6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11154 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aab11155 ; exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman O;
                                                                                                   exendin agonist peptide SEQ ID NO 62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 69; Page 143; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin agonist peptide SEQ ID NO 63.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11155 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                              14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                                                                                                                                     14-JAN-1999; 99US-0116380P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 5894
                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-514584/46.
                                                                                                                                                                                                                                               WO200041546-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 38 AA;
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Check: 5894

Type: P

New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.

Example 71; Page 144; 281pp; English

WO200041546-A2.

Synthetic

20-JUL-2000

(from "seq4ags.pep" TOIG of: aab11155

20-FEB-2001

AAB11155

Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.

Synthetic.

exendin agonist peptide SEQ ID NO 66.

20-FEB-2001

AAB11158;

aabl1158; exendin agonist peptide SEQ ID NO 66. (from "seq4ags.pep")
TOIG of: aabl1158 check: 333 from: 1 to: 36

match found in sequence:

28

AAB11158 standard; peptide; 36 AA

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                             :
                                                                                                                                                                                                       Check: 3293
                                                                                                                                                                                                         Type: P
                                                                                                                                                                                                                                                                                                                                                                                                               to: 37
                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aab11157 ; exendin agonist peptide SEQ ID NO 65.
                                                                                                                                                                                                       Length: 37 February 4, 2005 13:19
f 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                HGEGTFTSDLSKOMEERAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 72; Page 145; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                    37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                            (from "seq4ags.pep")
TOIG of: aab11157 check: 2854
                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11157 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 37 AA;
                                                                                                                                                                   Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200041546-A2
                                                                                                                                                                                                                          Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11157
                                                                                                                                                                                                       AAB11156
   8888888888888
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                      New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Check: 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aab11159 ; exendin agonist peptide SEQ ID NO 67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB11158 Length: 36 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 67.
                                                                                                                                                                                                                                                                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 73; Page 146; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                check: 9894 from: 1
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                                                                                                                                                                                                                                             14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                               Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 36 AA;
                                                                                                                                                                                     WO200041546-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (from "seq4ags.pep'
TOIG of: aab11159
                                                                                                                                                                                                                                                                          14-JAN-1999;
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                                                                                                                                                                                                                 20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEXSXEXEX
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Type: P Check: 2854

AAB11157 Length: 37 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)

Found using 'seq4'

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPP

Kolterman O;

Young A, L'italien JJ,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                            New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Check: 9894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Type: P
             plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11159 Length: 36 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                      Example 74; Page 146-147; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAP
                                                                                                                                                                                                                        Kolterman O;
                                                                                                                         14-JAN-2000; 2000WO-US000902
                                                                                                                                                  14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                        L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                              or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
                                                                                                                                                                                                                                                  WPI; 2000-514584/46
                                                                    WO200041546-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 36 AA;
                                                                                               20-JUL-2000
                                        Synthetic
                                                                                                                                                                                                                        foung A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 76; Page 148; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                         14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                                                                                                                                                                       99US-0116380P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-514584/46.
                                                                                                                                                                                             WO200041546-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-1999;
                                                                                                                                                                                                                                                                           20-JUL-2000.
                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young A,
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Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.

10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC.

99US-0116380P

14-JAN-1999;

14-JAN-2000; 2000WO-US000902

WO200041546-A2.

Synthetic

20-JUL-2000

exendin agonist peptide SEQ ID NO 68.

20-FEB-2001

AAB11160;

Exendin; agonist;

to: 35

from: 1

check: 7453

(from "seq4ags.pep" TOIG of: aab11160

standard; peptide; 35 AA

aab11160 ; exendin agonist peptide SEQ ID NO 68.

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                             formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                               Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                  aab11161; exendin agonist peptide SEQ ID NO 69. (from "seq4ags.pep")
TOIG of: aab11161 check: 7014 from: 1 to: 35
                                                                                                                                                                                                                                                                             2005 13:19
                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
                                                                        Example 75; Page 147; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin agonist peptide SEQ ID NO 69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11161 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                            Length: 35 February 4, g 'seq4' (mohamed337.key
                                                                                                                                                                                                                  or reducing food intake
WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
                                                                                                                                                                                                                                                Sequence 35 AA;
                                                                                                                                                                                                                                                                                            Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB11161;
                                                                                                                                                                                                                                                                            AAB11160
                              New
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB11163 Length: 34 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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aablil64; exendin agonist peptide SEQ ID
(from "seq449gs.pep,"
TOIG Of: aablil64 check: 2764 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 72.
                                                                                                                                            exendin agonist peptide SEQ ID NO 71.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSG
                   AAB11163 standard; peptide; 34 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11164 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                                                                                                                                                         99US-0116380P
                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P
                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20-FEB-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 34 AA;
                                                                                                                                                                                                                                                                                              WO200041546-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200041546-A2.
                                                                                                       20-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                                         14-JAN-1999;
                                                                                                                                                                                                                                                                                                                                       20-JUL-2000.
                                                                                                                                                                                                                                                    Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young A,
                                                             AAB11163;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB11164;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                 Check: 7014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Check: 5178
                                                                                 35 February 4, 2005 13:19 Type: P (mohamed337.key)
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                                                                                                                                                                                                                                               . match found in sequence:
aabl1162; exendin agonist peptide SEQ ID NO 70.
(from "seq4ags.pep")
TOIG of: aabl1162 check: 5178 from: 1 to: 34
                                                                                                                                                                                                                                                                                                                 to: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aablil63; exendin agonist peptide SEQ ID NO 71.
(from "seq4ags.pep")
TOIG of: aablil63 check: 4739 from: 1 to: 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11162 Length: 34 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                   |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       exendin agonist peptide SEQ ID NO 70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 77; Page 149; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                                           AAB11162 standard; peptide; 34 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-JAN-2000; 2000WO-US000902
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10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L'italien JJ,
or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 34 AA;
                                         Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200041546-A2
                                                                                 AAB11161 Length:
Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
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Young A,

AAB11162

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AAB11166 Length: 32 Pebruary 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)
   Example 80; Page 151; 281pp; English.
                                                                                                                                         AAB11165
   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin, agonist; treatment; antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                              AAB11164 Length: 33 February 4, 2005 13:19 Type: P Check: 2764 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                to: 33
                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:.
aabil165 ; exendin agonist peptide SEQ ID NO 73.
                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 73.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman O;
                                                                                                                                                                      Example 79; Page 150; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11165 standard; peptide; 33 AA
                                         14-JAN-1999; 99US-0116380P.
                     14-JAN-2000; 2000WO-US000902
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2000US-0175365P
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                                                                        (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                                              L'italien JJ,
                                                                                                                                                                                                                                                                    reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L'italien JJ,
                                                                                                                  WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                      (from "seq4ags.pep")
TOIG of: aab11165 (
                                                                                                                                                                                                                                                                                          Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200041546-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14-JAN-1999;
10-JAN-2000;
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20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                              Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11165 Length: 33 February 4, 2005 13:19 Type: P Check: 2325
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin; agonist; treatment; antidiabetic; ine
plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
aab11166 ; exendin agonist peptide SEQ ID NO 74.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 25
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                                                                                                                                                                                                                                                                        or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-514584/46.
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TOIG of: aab11166
                                                                                                                                                                                                                                                                                                                                                  Sequence 33 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200041546-A2
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Check: 25

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                     Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aab11169 ; exendin agonist peptide SEQ ID NO 77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to: 31
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Found using 'seq4' (mohamed337.key)
exendin agonist peptide SEQ ID NO 76.
                                                                                                                                                                                                                                                                                                                                                                   Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               exendin agonist peptide SEQ ID NO 77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 83; Page 153; 281pp; English.
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                                                                                                                                                                                                                                                              14-JAN-1999; 99US-0116380P.
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10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check: 6930
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                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                 Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 31 AA;
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TOIG of: aab11169
                                                                                                                                                                                20-JUL-2000.
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                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAB11169;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              · AAB11169
  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                 Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11168 ; exendin agonist peptide SEQ ID NO 76.
                                                                                                                       NO 75.
                                                                                                . match found in sequence:
aabli167; exendin agonist peptide SEQ ID
(from 'seq4ag.pep')
TOIG of: aabli167 check: 9586 from: 1
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                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 75.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 from: 1
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
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                                                                                                                                                                                                     AAB11167 standard; peptide; 32 AA
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             L'italien JJ,
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f: aab11168 (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 32 AA;
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                                                                                                                                                                                                                                           AAB11167;
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TOIG of: (from

disorders

Check: 4450

Type: P

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
would benefit from agents which lower plasma glucose levels and disorde: which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                         29
                                                                                                                                                                                                                                  match found in sequence:
aabil171 ; exendin agonist peptide SEQ ID NO 79.
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aabl1172 ; exendin agonist peptide SEQ ID NO 80.
                                                                                                    30 February 4, 2005 13:19 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 79.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 86; Page 156; 281pp; English.
                                                                                                                                                                                                                                                                                                                         AAB11171 standard; peptide; 29 AA
                                                                                                                                                                     HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
28
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                                                                                                  AAB11170 Length: 30 Found using 'seq4' (mo
                                                                                                                                                                                                                                                                         (from "seq4ags.pep"
TOIG of: aab11171
                                                                    Sequence 30 AA;
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 88888
                                                                                                                                                                                                                                                                                                                          This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                        Type: P Check: 6930
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glucose; gastric emptying; food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence: aab11170 ; exendin agonist peptide SEQ ID NO 78.
                                                                                                                                                                                                                                                                                                                                                                     AAB11169 Length: 31 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                 Kolterman O;
                                                                                                                                                  Example 84; Page 154; 281pp; English
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(AMYL-) AMYLIN PHARM INC
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                               L'italien JJ,
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                                                                 WPI; 2000-514584/46
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TOIG of: aab11170
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                                 Young A,
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seq4_ags.res

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    . match found in sequence:
aablil74; exendin agonist peptide SEQ ID NO 82.
(from "seq48gs.pep;
TOIG of: aablil74 check: 6333 from: 1 to: 38
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HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              exendin agonist peptide SEQ ID NO 82.
                                                                                                                                                                                                                                                                                    Example 88; Page 157; 281pp; English
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                                                               14-JAN-2000; 2000WO-US000902
                                                                                                99US-0116380P.
                                                                                                           10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                         L'italien JJ,
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                                                                                                                                                                                                       WPI; 2000-514584/46
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   WO200041546-A2
                                                                                              14-JAN-1999;
                                  20-JUL-2000.
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                                                                                                                                                                             Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB11174;
   This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                        Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                 to: 29
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TOIG of: aabili73 check: 6333 from: 1 to: 38
                                                                                                                                            exendin agonist peptide SEQ ID NO 80.
                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 87; Page 156; 281pp; English
                from: 1
                                               AAB11172 standard; peptide; 29 AA
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10-JAN-2000; 2000US-0175365P
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                check: 2320
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(from "seq4ags.pep")
TOIG of: aab11172 o
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Fri Feb

Found using 'seq4' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which are a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
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                                                                                                                                                                                                                                                                              Type: P Check: 6333
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                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aab11175 ; exendin agonist peptide SEQ ID NO 83.
                                                                                                                                                                                                                                                                              AAB11174 Length: 38 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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                                    Example 89; Page 158; 281pp; English
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                        or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep")
TOIG of: aab11175 c
                                                                                                                                                                                                                                            Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200041546-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-FEB-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young A,
                                                                                                                                                                                                                                                                            AAB11174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New
#X8X000000000X8
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AAB11175 Length: 37 February 4, 2005 13:19 Type: P Check: 3541

Sequence 37 AA;

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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic extivity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                   Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel formulation (I) comprising an exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Type: P Check: 4125
                                                                                                                  to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 37
                                                                                 peptide SEQ ID NO 84.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    agonist peptide SEQ ID NO 85.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11176 Length: 37 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
HGEGTFTSDLSKOMEEBAVRLFIBWLKNGGXSSGAPP
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                    exendin agonist peptide SEQ ID NO 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 91; Page 160; 281pp; English.
                                                                                                                    from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
(from sequence) manual in sequence (from sequence)
TOIG of: aabl1177 check: 3293 from: 1
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                                                                                                                                                   AAB11176 standard; peptide; 37
                                                                                                                                                                                                                                                                                                                                                                                                                                     14-JAN-2000; 2000WO-US000902.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                  check: 4125
                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    food intake
                                                              1 match found in sequence:
aab11176 ; exendin agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2000-514584/46
                                                                                                    (from "seq4ags.pep")
TOIG of: aab11176 (
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                                                                                                                                                                                                                                                                                                                                                                    WO200041546-A2
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                                                                                                                                                                                                                 20-FEB-2001
                                                                                                                                                                                                                                                                                                                                                                                                  20-JUL-2000
                                                                                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                    AAB11176;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic
                                                                                                                                                                                                                                                                      This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to inaulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11179; exendin agonist peptide SEQ ID NO
(from "seq4ags.pep")
TOIG of: aab11179 check: 7463 from: 1 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kolterman O;
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                                                                                                                                                                                                                                     Example 93; Page 161; 281pp; English
                                                                                  Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Z
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10-JAN-2000; 2000US-0175365P.
  10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11179 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20-FEB-2001 (first entry)
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                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young A, L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                             or reducing food intake
                                                                                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-514584/46.
                                                                                                                            WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Found using 'seq4'
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                                                                                      Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New
                                                                                                                                                                      New
  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aabl1178; exendin agonist peptide SEQ ID NO 86.
(from "seq4ags.pep")
TOIG of: aabl1178 check: 333 from: 1 to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPP
                                          exendin agonist peptide SEQ ID NO 85.
                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 86.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 92; Page 160; 281pp; English
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                                                                                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                                                                                                       14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 37 AA;
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  20-PEB-2001
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                                                                                                                                                  Synthetic
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AAB11178;

Young A,

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activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                              Check: 7463
                                                                                                                                                Type: P
                                                                                                                                                                                                                                                                                                                                            to: 30
                                                                                                                                                                                                                                                                                                            NO 88.
                                                                                                                                             AAB11179 Length: 35 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                        |-----|
| RGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
                                                                                                                                                                                                                                                                                      match found in sequence:
aablil80; exendin agonist peptide SEQ ID |
(from "seq4ags.pep")
TOIG of: aablil80 check: 4886 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin agonist peptide SEQ ID NO 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 95; Page 163; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                               30 AA
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10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                               AAB11180 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                             Sequence 35 AA;
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                                                                                                                                                             Found using 'seq4'
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                                                                                                                                                                                                                                                                                        1 match
   888888888
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AAB11180 Length: 30 Pebruary 4, 2005 13:19 Type: P Check: 4886 Found using 'seq4' (mohamed337.key)

HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes;
plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11181 Length: 28 February 4, 2005 13:19 Type: P Check: 231 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   plasma glucose; gastric emptying; food intake.
match found in sequence:
aablils1; exendin agonist peptide SEQ ID NO 89.
(from "seq4ags.pep")
TOIG of: aablil81 check: 231 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aabl1182; exemdin agonist peptide SEQ ID NO 90.
(from "seq4ags.pep")
TOIG of: aabl1182 check: 693 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 96; Page 163-164; 281pp; English
                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 89.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exendin agonist peptide SEQ ID NO 90.
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                                                                                       AAB11181 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11182 standard; peptide; 28
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10-JAN-2000; 2000US-0175365P.
                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                    WO200041546-A2.
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                                                                                                                                                           20-FEB-2001
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                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                          AAB11181;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                   formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                        Type: P Check: 701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
abblil84; exendin agonist peptide SEQ ID NO 92.
(from "seq4ags.pep")
TOIG Of: aablil84 check: 649 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                      AAB11183 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                        Example 98; Page 165; 281pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFSTDLSKQMEEEAVRLF1EWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-514584/46.
                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB11184;
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1183; exendin agonist peptide SEQ ID NO 91.
(from "seq4ags.pep")
TOIG of: aabl1183 check: 701 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 91.
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                                                                                                                                                                                                                                                                                                  Kolterman O
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 97; Page 164; 281pp; English
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10-JAN-2000; 2000US-0175365P
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                L'italien JJ,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                              Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                  exendin agonist peptide SEQ ID NO 94.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young A, L'italien JJ, Kolterman O;
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10-JAN-2000; 2000US-0175365P
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AAB11186;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                     Check: 649
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                   28 February 4, 2005 13:19 Type: P (mohamed337.kev)
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                                                                                                                                                                                                                              match found in sequence:
aablil85; exendin agonist peptide SEQ ID NO 93.
(from "seq4ags.pep")
TOIG of: aablil85 check: 211 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 93
                                                                                                                                                                                                                                                                                                                                                            AAB11185 standard; peptide; 28 AA
                                                                                                HGEGTFTSELSKOMAEEAVRLFIEWLKN
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10-JAN-2000; 2000US-0175365P.
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                AAB11184 Length:
Found using 'seq4'
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                                                                                                                                                                                                                              1 match
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                      match found in sequence:
aabilis7; exendin agonist peptide SEQ ID NO 95.
(ffrom "seq4dag.pep")
TOIG of: aabili87 check: 654 from: 1 to: 28
                                                                                                                                                                                                                    exendin agonist peptide SEQ ID NO 95.
                                                                                                                             AAB11187 standard; peptide; 28
HGEGTFTSDLSKQLEEEAVRLAIEFLKN
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match found in sequence:
aabl1186 ; exendin agonist peptide SEQ ID NO 94.
(from "seq4ags.pep")
TOIG of: aabl1186 check: 151 from: 1 to: 28

HGEGTFTSDGSKQLEEEAVRLFIEFLKN

AAB11186 standard; peptide; 28 AA

Check: 237

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exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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aablil89; exemdin agonist peptide SEQ ID (from "seq4949s.pep")
TOIG of: aablil89 check: 2215 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensettivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Check: 654
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(from "seq4ags.pep")
TOIG of: aab11188 check: 237 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                            Example 102; Page 168; 281pp; English
                                                                                                                                             Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOMEEEAVRLFGEWLKN
                            14-JAN-1999; 99US-0116380P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                (AMYL-) AMYLIN PHARM INC
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                                                                                                                                             L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   or reducing food intake
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                                                                                                                                                                                        WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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                                                                                                                                             Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   New formulations comprising an exendin or exendin agonist peptide used . for increasing the sensitivity of a subject to insulin to treat diabetes.
plasma glucose; gastric emptying; food intake.
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aablil93; exemida agonist peptide SEQ ID NO 101.
(from "seq4ags.pep")
TOIG of: aablil93 check: 249 from: 1 to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDASKOMEEEAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 106; Page 171; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                       Young A, L'italien JJ, Kolterman O;
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                                                                                                                                                                                     .4-JAN-2000; 2000WO-US000902
                                                                                                                                                                                                                                  14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 37 AA;
                                                                                         WO200041546-A2
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                                          Synthetic
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                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist, treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                NO 98.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 105; Page 170; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman O;
                                                                ; exendin agonist peptide SEQ ID
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                                                                                                                                                                                                                                                                                                        exendin agonist peptide SEQ ID NO 98
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                                                                                                                                                            AAB11190 standard; peptide; 29
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10-JAN-2000; 2000US-0175365P
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                                                                                    (from "seq4ags.pep")
TOIG of: aab11190 c
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TOIG of: aab11191
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AAB11200
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes, plasma glucose; gastric emptying; food intake.
                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                             AAB11193 Length: 28 February 4, 2005 13:19 Type: P Check: 249 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                     aab11197 ; exendin agonist peptide SEQ ID NO 105.
(from "seq4ags.pep")
TOIG of: aab11197 check: 688 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 105.
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                                                                                 Example 110; Page 175; 281pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB11197 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                  HGAGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                         or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
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                                                                                                                                                                                                                                   Sequence 28 AA;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which acts a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                         AAB11197 Length: 28 February 4, 2005 13:19 Type: P Check: 688
Found using 'seq4' (mohamed337.key)
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aab11200 ; exendin agonist peptide SEQ ID NO 108.
(from "seq4ags.pep")
TOIG of: aab11200 check: 590 from: 1 to: 28
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abl1260 , exemin agonist peptide SEQ ID NO 168.
(from "seq4ags.pep")
TOIG of: aabl1260 check: 5882 from: 1 to: 38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11200 standard; peptide; 28
                                                                                                                                                                                     HGAGTFTSDLSKQMEEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-JAN-2000; 2000WO-US000902.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length: 28
Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200041546-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB11200;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        aabil269; exendin agonist peptide SEQ ID NO 177. (from "seq4ags.pep")
TOIG of: aabil269 check: 9574 from: 1 to: 32
                                                                                                                                                                                                                                                                                                                                   Example 182; Page 230; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 177.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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                                                                                                                                                                            Young A, L'italien JJ, Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB11269 standard; peptide; 32
                                                                 14-JAN-1999; 99US-0116380P.
                        14-JAN-2000; 2000WO-US000902.
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                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             L'italien JJ,
                                                                                                                                                                                                                       WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 35 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match
    This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                         Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1265; exendin agonist peptide SEQ ID NO 173.
(from "seq4ags.pep")
TOIG of: aabl1265 check: 7002 from: 1 to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 177; Page 226-227; 281pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11260 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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|HGAGTFTSDLSKQLBEBAVRLFIBFLKNGGPSSGAPPP
                                                                                                                              exendin agonist peptide SEQ ID NO 168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 173.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kolterman O;
AAB11260 standard; peptide; 38 AA
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10-JAN-2000; 2000US-0175365P.
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                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             L'italien JJ,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 38 AA;
                                                                                                                                                                                                                                                                                 WO200041546-A2
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                                                                                      20-FEB-2001
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                                                                                                                                                                                                                                           Synthetic.
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                                           AAB11260;
                                                                                                                                                                       Exendin;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young A,
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HGAGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPP

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
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                                                                                                                                                            AAB11269 Length: 32 February 4, 2005 13:19 Type: P Check: 9574 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                   aab11273 ; exendin agonist peptide SEQ ID NO 181.
(from "seq4ags.pep")
TOIG of: aab11273 check: 6321 from: 1 to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 190; Page 236; 281pp; English
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                                                                                                                                                                                                                   HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                                                                                                            38 AA
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                            AAB11273 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                         or reducing food intake
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                                                                                                                                                                                                                                                                         match found in sequence:
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                                                                                                                                    Sequence 32 AA;
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                                                                                                                                                                                                                                                                                                                                                                     AAB11273;
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AAB11273 Length: 38 February 4, 2005 13:19 Type: P Check: 6321 Found using 'seq4' (mohamed337.key)

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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aab11281 ; H. horridum exendin 3 peptide SEQ ID NO 1.
match found in sequence:
aabl1277; exendin agonist peptide SEQ ID NO 185
(from "seq4ags.pep")
TOIG of: aabl1277 check: 7441 from: 1 to: 35
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                                                                                                                                                                                                                                                                                            exendin agonist peptide SEQ ID NO 185.
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                                                                                                                                   AAB11277 standard; peptide; 35 AA
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10-JAN-2000; 2000US-0175365P.
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TOIG of: aab11281
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                                                                                                                                                                                        AAB11277;
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
                                                                                                        New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          plasma glucose; gastric emptying; food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         aab11284 ; exendin agonist peptide SEQ ID NO 10.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB11282 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                    Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             exendin agonist peptide SEQ ID NO 10.
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                                                                                                                                                                        Example 2; Fig 2; 281pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB11284 standard, peptide, 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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                  L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L'italien JJ,
                                                             WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
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of: aab11284 (
                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
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                      Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB11284;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  From
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
               Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Fig 1; 281pp; English
                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000902.
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                                                                             Heloderma horridum
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FOIG of: aab11282 c
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                                                                                                                      WO200041546-A2
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                    Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aablil287 ; exendin agonist peptide SEQ ID NO 13.
(grom 8=eq4ags.pep")
TOIG Of: aablil287 check: 9804 from: 1 to: 39
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YGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                exendin agonist peptide SEQ ID NO 12.
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10-JAN-2000; 2000US-0175365P.
                                          AAB11286 standard; peptide;
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TOIG of: aab11286 . check: 9587
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                                                                                 AAB11286
                                          This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin con exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist, treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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which would benefit from agents that delay and/or slow gastric emptying
or reducing food intake
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(from "seq4ags.pep")
TOIG of: aab11285 check: 9145 from: 1 to: 39
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aab11286; exendin agonist peptide SEQ ID NO 12.
(from "seq4ags.pep")
                                                                                                    2005 13:19
                                                                                                                                                                                 HGEGTFTSDLSKQLEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                       39 AA
                                                                                                  AAB11284 Length: 39 February 4, Found using 'seg4' (mohamed337.key)
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Synthetic

AAB11285

Young A,

Type: P Check: 9587

to: 39

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Example 19; Fig 15; 281pp; English.
 This invention describes a novel formulation (I) comprising an exendin oxexendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                              formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aablil288 ; exendin agonist peptide SEQ ID NO 14.
(from "seq4ags.pep")
TOIG of: aablil288 check: 9567 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                AAB11287 Length: 39 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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                                                                                                      Kolterman O;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exendin agonist peptide SEQ ID NO 14.
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                             14-JAN-2000; 2000WO-US000902
                                                 14-JAN-1999; 99US-0116380P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                 (AMYL-) AMYLIN PHARM INC
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                                                                                                     L'italien JJ,
                                                                                                                                                                                                                                                                        or reducing food intake
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         20-JUL-2000
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                          or reducing food intake
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TOIG of: aab11289 c
                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
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match

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                      Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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aab11292 ; exendin agonist peptide SEQ ID NO 18.
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HGEGTFSTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                Kolterman O;
                  exendin agonist peptide SEQ ID NO 17.
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                            Young A, L'italien JJ,
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TOIG of: aab11292 c
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                   aab11290 ; exendin agonist peptide SEQ ID NO 16.
(from "seq4ags.pep")
TOIG of: aab11290 check: 9563 from: 1 to: 39
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TOIG of: aab11291 check: 9571 from: 1 to: 39
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HGEGTXTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 16
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the
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                                                                                           L'italien JJ,
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TOIG of: aab11293
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                                                                                              Young A,
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Sequence 39 AA;
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8888888
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                                                                                                                                                                                                                           New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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Found using 'seq4' (mohamed337.key)
                                                                                             Kolterman
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                           (AMYL-) AMYLIN PHARM INC.
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Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
aab11293 ; exendin agonist peptide SEQ ID NO 19
                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 19.
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                                                            check: 9579 from: 1
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                                                                                                                            AAB11293 standard; peptide; 39 AA
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|------| HGEGTFTSDGSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence:

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sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
                                                                                                                                    Check: 9579
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                                                                                                                                  AAB11293 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                          HGEGTFTSELSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                    aab11294; exendin agonist peptide SEQ ID NO (from "seq4ags.pep")
TOIG of: aab11294 check: 9520 from: 1 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Kolterman O;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           exendin agonist peptide SEQ ID NO 20.
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                                                            or reducing food intake
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                                                                                                                                                                                                                                                                                  1 match found in sequence:
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AAB11295

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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                                                                                                                                                                                                                                                                                                               New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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HGEGTFTSDLSKQGBEBAVRLFIEWLKNGGPSSGAPPPS
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                                                                                              14-JAN-2000; 2000WO-US000902.
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10-JAN-2000; 2000US-0175365P.
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10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                     L'italien JJ,
                                                                                                                                                                                                                                                                            WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
                    WO200041546-A2
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                                                                                                                                                                                                                                     Young A,
  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                               Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                    to: 39
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aab11295 ; exendin agonist peptide SEQ ID NO 21.
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  (from "seq4ags.pep")
TOIG of: aab11296 check: 9486 from: 1 to:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L'italien JJ, Kolterman O;
                                                                                                                                                                                                exendin agonist peptide SEQ ID NO 21.
                                       from: 1
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10-JAN-2000; 2000US-0175365P.
                                                                              AAB11295 standard; peptide;
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                                       check: 9081
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                    (from "seq4ags.pep")
TOIG of: aab11295 c
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SXXXXXXXXXXXXX

Check: 9486

Fri Feb

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
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formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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HGEGTFTSDLSKQGEEEAVRLFIEFLKNGGPSSGAPPPS
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aab11299 ; exendin agonist peptide SEQ ID NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exendin agonist peptide SEQ ID NO 25.
                                                                                                                                                                                                                                                                                                                                                                      check: 9869 from: 1
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                                          28; Fig 15; 281pp; English.
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FOIG of: aab11299 c
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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Check: 9869
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AAB11299 Length: 39 February 4, 2005 13:19 Type: P
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                                                                                                                                                                                                                         . match found in sequence:
aabl1300; exendin agonist peptide SEQ ID NO 26.
(from "seq4ags.pep")
TOIG of: aabl1300 check: 9430 from: 1 to: 39
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                                                                                                              HGEGTFTSDLSKOMEEEAVRLFVEWLKNGGPSSGAPPPS
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HGEGTFTSDLSKQLEEEAVRLFVBFLKNGGPSSGAPPPS
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10-JAN-2000; 2000US-0175365P.
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(from "seq4ags.pep")
TOIG of: aab11301 c
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which acts a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                  New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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TOIG of: aab11303 check: 9546 from: 1 to: 39
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HGEGTFTSDLSKQLEEEAVRLFXEFLKNGGPSSGAPPPS
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14-JAN-1999; 99US-0116380P.
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                                                    (AMYL-) AMYLIN PHARM INC
                                                                                            L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                       or reducing food intake
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                                                                                                                                WPI; 2000-514584/46
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA
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                                                                                            Young A,
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                                                                                            ment; antidiabetic; insulin sensitivity; diabetes; emptying; food intake.
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                                                    exendin agonist peptide SEQ ID NO 27
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10-JAN-2000; 2000US-0175365P.
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                  (first entry)
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                                                                                                              plasma glucose; gastric
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TOIG of: aab11302 c
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Fri Feb

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to: 39

(first entry)

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Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
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                                 aabl1305; exendin agonist peptide SEQ ID NO 31. (from "seq4ags.pep")
TOIG of: aabl1305 check: 9570 from: 1 to: 19
                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 31
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                                                                                                                              AAB11305 standard; peptide; 39
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                      match found in sequence:
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                                                                                                                                has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                           AAB11303 Length: 39 February 4, 2005 13:19 Type: P Check: 9546 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aabl1304; exendin agonist peptide SEQ ID NO 30.
(from "seq4ags.pep")
TOIG of: aabl1304 check: 9145 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLFIDWLKNGGPSSGAPPPS
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2000US-0175365P
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10-JAN-2000;
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Kolterman O;

L'italien JJ,

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aab11306 ; exendin agonist peptide SEQ ID NO 32.
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; seq4' (mohamed337.key)
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TOIG of: aab11306 c
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Check: 9145

Type: P

AAB11304 Length: 39 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)

Found using 'seq4'

HGEGTFTSDLSKQMEEEAVRLFIEFLKNGGPSSGAPPPS

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The exendin or exendin or exendin or exendin or exendin or esending sonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                                This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                         formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
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aabl1308; exendin agonist peptide SEQ ID NO 34.
(from "seq48gs.pep")
TOIG of: aabl1308 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin agonist peptide SEQ ID NO 34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 39; Fig 15; 281pp; English.
                                                                                                           Example 38; Fig 15; 281pp; English.
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                                                                                                                                                                                                                                                                                                                 or reducing food intake
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WPI; 2000-514584/46.
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                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
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  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                       New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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                                                                                                                                                                                                                                                                                                                     Kolterman O
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10-JAN-2000; 2000US-0175365P.
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f: aab11307
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                                                                                                                                                                                                                                                                                                                     Young A,
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
                                                                                                                                           Exendin, agoniet, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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TOIG of: aabl1311 check: 7440 from: 1 to: 39
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HGEGTFTSDLSKQLBEBEAVRLFIBFLKNGGPSSGAPPPS
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                                                                                                   exendin agonist peptide SEQ ID NO 36.
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                     AAB11310;
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  This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pw of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
                                       AAB11308 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
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aabil309 ; exendin agonist peptide SEQ ID NO 35.
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aabl1310 ; exendin agonist peptide SEQ ID NO 36.
(from "seq4ags.pep")
TOIG of: aabl1310 check: 9131 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                         exendin agonist peptide SEQ ID NO 35
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TOIG of: aab11309 c
Sequence 39 AA;
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10-JAN-2000;
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Young A,

New

20-JUL-2000.

to: 39

AAB11310 standard; peptide; 39 AA

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
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                                                                                                                                                                                                                                                                                                                          match found in sequence:
aabl11313; exendin agonist peptide SEQ ID NO 39.
(from "seq4ags.pep")
TOIG of: aabl1313 check: 7001 from: 1 to: 39
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                                                                                                                    or reducing food intake
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                                                                                                                                                                                     New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
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(from "seq4ags.pep")
TOIG of: aabl1312 check: 7905 from: 1 to: 39
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                                 14-JAN-1999; 99US-0116380P.
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                                                                                    (AMYL-) AMYLIN PHARM INC
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                                                                                                                    L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    L'italien JJ,
                                                                                                                                                                                                                                                                                                                                                                                                reducing food intake
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-514584/46.
                                                                                                                                                    WPI; 2000-514584/46
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200041546-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-FEB-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                      Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young A,
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seq4_ags.res

. match found in sequence: aab36419 ; Gila monster venom exendin 3 peptide SEQ ID NO:7. 28

check: 9591 from: 1 (from "seq4ags.pep") TOIG of: aab36419 c

AAB36419 standard; peptide; 39 AA

(first entry) 28-FEB-2001 Gila monster venom exendin 3 peptide SEQ ID NO:7.

Glucagon-like peptide-1; GLP-1; GLP-2; vasotropic; cerebroprotective; brain tissue injury; reperfusion; blood flow; ischaemia; acute stroke; metabolic intervention; haemorrhage; tissue damage; medical procedure; surgical; insulin; hyperglycaemia; hypoglycaemia; brain anabolism; euglycaemia

Heloderma suspectum.

Location/Qualifiers Modified-site

/note= "amidated"

WO200066142-A2

09-NOV-2000

01-MAY-2000; 2000WO-US011652

99US-00303016 30-APR-1999;

(BION-) BIONEBRASKA INC.

Coolidge TR,

method for amelioration of brain tissue injury comprises administering composition including a compound which binds to a receptor for glucagon WPI; 2001-015911/02. -like peptide-1.

Disclosure; Page 8; 19pp; English.

The present invention describes a method for the amelioration of brain tissue injury caused by reperfusion of blood flow comprising to administering a composition including a compound which binds to a receptor for glucagon-like peptide-1 (Grb-1), in a pharmaceutical carrier. The method is used for amelioration of brain tissue injury caused by reperfusion of blood flow following a period of ischaemic of low metabolic intervention to improve the function of ischaemic and reperfused brain cells. It treats patients after an acute stroke or haemorrhage and tissue damage arising from a medical procedure that is a surgical event causing ischaemia of brain tissue or a medical procedure involving a reperfusion event. Glb-1 is an ideal alternative to insulin for the treatment of stroke as it stimulates endogenous insulin secretion the presence of normo- to hyperglycaemia but not during hypoglycaemia, the the development of severe hypoglycaemia. The treatment optimises insulin secretion, increases brain anabolism, enhancing insulin effectiveness by suppressing glucagon and maintains euglycaemia or mild hypoglycaemia with no risk of severe hypoglycaemia. The present sequence represents a Gila monster venom peptide which is homologous to GLP-1, and is given in the exemplification of the present

Sequence 39 AA;

AAB36419 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence: aab36421 ; Gila monster venom exendin 4 peptide SEQ ID NO:9. to: 39 from: 1 check: 9570 (from "seq4ags.pep") TOIG of: aab36421 c

AAB36421 standard; peptide; 39 AA

AAB36421;

28-FEB-2001 (first entry)

Gila monster venom exendin 4 peptide SEQ ID NO:9.

Glucagon-like peptide-1; GLP-1; GLP-2; vasotropic; cerebroprotective; brain tissue injury; reperfusion; blood flow; ischaemia; acute stroke; metabolic intervention; haemorrhage; tissue damage; medical procedure; surgical; insulin; hyperglycaemia; hypoglycaemia; brain anabolism; euglycaemia.

Heloderma suspectum.

Location/Qualifiers Key Modified-site

/note= "amidated"

WO200066142-A2

09-NOV-2000.

01-MAY-2000; 2000WO-US011652.

99US-00303016. 30-APR-1999;

(BION-) BIONEBRASKA INC.

Ehlers MRW; Coolidge TR,

WPI; 2001-015911/02.

A method for amelioration of brain tissue injury comprises administering a composition including a compound which binds to a receptor for glucagon -like peptide-1.

Disclosure; Page 8; 19pp; English.

tissue injury caused by reperfusion of blood flow comprising to tissue injury caused by reperfusion of blood flow comprising administering a composition including a compound which binds to a ceceptor for glucagon-like peptide-1 (Glp-1), in a pharmaceutical carrier. The method is used for amelioration of brain tissue injury caused by reperfusion of blood flow following a period of ischaemia. Glp-1 is used for metabolic intervention to improve the function of ischaemic and reperfused brain calls. It trasts patients after an acute stroke or hemorrhage and tissue damage arising from a medical procedure that is surgical event causing ischaemia of brain tissue or a medical procedure involving a reperfusion event. Glp-1 is an ideal alternative to insulin for the treatment of stroke as it stimulates endogenous insulin secretion the presence of normo-to hyperglycaemia but not during hypoglycaemia, the cevelopment of severe hypoglycaemia, the creatment optimises insulin secretion, increases brain anabolism, treatment optimises insulin secretion, increases brain anabolism, chaptoring insulin effectiveness by suppressing glucagon and maintains euglycaemia or mild hypoglycaemia with no risk of severe hypoglycaemia. The homologous to GLP-1, and is given in the exemplification of the present The present invention describes a method for the amelioration of brain invention

Sequence 39 AA;

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Check: 9570
AAB36421 Length: 39 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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1 match found in sequence: aab36432 ; Gila monster venom exendin 3 peptide SEQ ID NO:7. to: 39 check: 9591 from: 1 AAB36432 standard; peptide; 39 AA (first entry) n "seq4ags.pep" of: aab36432 28-FEB-2001 AAB36432; from 8X6X6CCCCCCCCCCX8XEPX8XEX8XEX8XEX8XEPX8XXEPX8XXEPX8XX

Glucagon-like peptide-1; GLP-1; GLP-2; metabolic intervention; ischaemia; reperfusion; surgical procedure; cardiac surgical procedure; organ transplant; traumatic elimb amputation; limb reattachment; ischaemic reperfusion; gut infarct; myocardial infarct.

Gila monster venom exendin 3 peptide SEQ ID NO:7.

Heloderma suspectum

Location/Qualifiers 39 /note= "amidated" Modified-site Key

WO200066138-A2

09-NOV-2000

27-APR-2000; 2000WO-US011251

99US-00302596 30-APR-1999;

(BION-) BIONEBRASKA INC

Ehlers MRW; WPI; 2001-040881/05 Coolidge TR,

intervention with GLP-1 improves function of ischemic and reperfused tissue. Metabolic

Disclosure; Page 13; 22pp; English.

The present invention describes metabolic intervention with GLP-1 which improves the function of ischaemic and reperfused tissue. The method for ameliotration of organ tissue caused by reperfusion of blood flow following a period of ischaemic acmeptises administering a composition including a compound which binds to a receptor for glucagon-like peptide-including a compound which binds to a receptor for glucagon-like peptide-incervention with GLP-1 to improve the function of ischaemic and reperfused tissue, the method comprising administering a composition comprising GLP-1 in a carrier, and (2) a composition for use in the metabolic intervention with GLP-1 as above. The method is useful after surgical procedures selected from cardiac surgical procedures, organ transplants, traumatio limb amputeation and reattachement, a ischaemic reperfusion event concurrent with gut infarct and myocardial infarct and improves the function of ischaemic and reperfused tissues. The method is devoid of side effects associated with current procedures. Antigenic and immune stimulating properties are not adversely affected. The present sequence represents a GIP-1, and is given in the exemplification of the present invention

Sequence 39 AA;

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improves the function of ischaemic and reperfused tissue. The method for amelloration of organ tissue caused by reperfusion of blood flow amelloration of schaemia comprises administering a composition including a compound which binds to a receptor for glucagon-like peptide. (GLP-1), in a carrier. Also described are: (1) a method of metabolic intervention with GLP-1 to improve the function of ischaemic and reperfused tissue, the method comprising administering a composition comprising GLP-1 in a carrier; and (2) a composition for use in the metabolic intervention with GLP-1 as above. The method is useful after metabolic intervention with GLP-1 as above. The method is useful after surgical procedures selected from cardiac surgical procedures. Organ transplants, tranmatic limb amputation and reattachment, a ischaemic reperfusion event concurrent with gut infarct and myocardial infarct and comprises the function of ischaemic and reperfused tissues. The method is devoid of side effects associated with current procedures. Antigenic and immune stimulating properties are not adversely affected. The present
                                                                                                                                                                                                                                                                                                                                                                                                                        Glucagon-like peptide-1; GLP-1; GLP-2; metabolic intervention; ischaemia; reperfusion; surgical procedure; cardiac surgical procedure; organ transplant; traumatic limb amputation; limb reattachment;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes metabolic intervention with GLP-1 which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Metabolic intervention with GLP-1 improves function of ischemic and reperfused tissue.
  Check: 9591
                                                                                                                                                              match found in sequence:
aab36434 ; Gila monster venom exendin 4 peptide SEQ ID NO:9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ischaemic reperfusion; gut infarct; myocardial infarct
AAB36432 Length: 39 February 4, 2005 13:20 Type: P
Found using '8eq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                  Gila monster venom exendin 4 peptide SEQ ID NO:9.
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HSDGTFTSDLSKQMEEEBAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                          ;
to:
                                                                                                                                                                                                                      check: 9570 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 13; 22pp; English.
                                                                                                                                                                                                                                                              AAB36434 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                             28-FEB-2001 (first entry)
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TOIG of: aab36434 cl
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AAB36434 Length: 39 February 4, 2005 13:20 Type: P Check: 9570

Sequence 39 AA;

sequence represents a Gila monster venom peptide which is homologous to GLP-1, and is given in the exemplification of the present invention

Fri Feb

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Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

aab48800; Exendin-3, SEQ ID NO:11. (from "seg4ags.pep") TOIG of: aab48800 check: 9591 fr 1 match found in sequence

to: 39 from: 1

AAB48800 standard; peptide; 39 AA

AAB48800;

(first entry) 09-MAR-2001

Exendin-3, SEQ ID NO:11.

Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidases stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.

Unidentified

WO200069911-A1

23-NOV-2000

17-MAY-2000; 2000WO-US013563

99US-0134406P 99US-0159783P 17-MAY-1999; 15-OCT-1999;

(CONJ-) CONJUCHEM INC.

Leblanc A; Holmes DL, L'archeveque B, Ezrin AM, St Pierre S; Bridon DP,

WPI; 2001-025008/03.

Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.

Claim 4; Page 88-89; 96pp; English.

The invention relates to modified insulinotropic peptides (ITPB), or derivatives thereof which comprise a reactive group which reacts with anino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP operation of the invention are derivatives of glucagon-like peptide 1 (GLP of secondin and contain a reactive group such as analeimide group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a septide of the invention is useful for treating diabetes, paticularly type II (maturity onset) diabetes. It is also useful as a sedative, for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the CNS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that which occurs after central types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides incention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents

Sequence 39 AA;

: AAB48800 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence: abb48801 ; Exendin-4, SEQ ID NO:12. (from "seq4ags.pep") TOIG Of: aab48801 check: 9570 fr

check: 9570 from: 1

to: 39

AAB48801 standard; peptide; 39 AA

AAB48801;

09-MAR-2001 (first entry)

Exendin-4, SEQ ID NO:12.

Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.

Unidentified.

WO200069911-A1.

23-NOV-2000.

17-MAY-2000; 2000WO-US013563.

99US-0134406P. 17-MAY-1999; 15-OCT-1999;

(CONJ-) CONJUCHEM INC.

Holmes DL, Ezrin AM, L'archeveque B, St Pierre S; Bridon DP,

Leblanc A;

WPI; 2001-025008/03.

Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.

Disclosure; Page 89; 96pp; English

derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum abumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GIP 1) or exendin and contain a reactive group such as a maleimido group or a succionimidaly group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (NS); to activate the CNS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin registance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents an insulinotropic peptide referred to in the disclosure of the invention The invention relates to modified insulinotropic peptides (ITPs), or

Fri Feb

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The invention relates to modified insulinotropic peptides (ITPB), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., earum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP 1) or exendin and contain a reactive group such as a maleimide group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paricularly the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an exclupation of the central nervous system (CRS); to activate the CRS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidaess. The peptides of the invention the presence of peptidaess. The peptides of the invention the presence of peptidaess. The peptides of the invention the presence of peptidaess.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                       AAB48801 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Leblanc A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Insulinotropic peptide; insulin production; GLP-1 derivative;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Holmes DL,
                                                                                                                                                                                                                                                                                          to: 31
                                                                                                                             HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                    1 match found in sequence:
aab48803; Exendin-4(1-30)Tyr31, SEQ ID NO:14.
(from "seq4ags.pep")
fOrg of: aab48803 check: 7648 from: 1 to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                L'archeveque B, Ezrin AM,
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                                                                                                                                                                                                                                                                                                                                      31 AA.
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99US-0159783P.
                                                                                                                                                                                                                                                                                                                                    AAB48803 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                            09-MAR-2001 (first entry)
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Sequence 39 AA;
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St Pierre S;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
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The invention relates to modified insulinotropic peptides (ITPB), or derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP - I) or exendin and contain a reactive group such as a maleimido group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the cariolytic effect on the central nervous system (CNS); to activate the narcologsy; and as a treatment for insulin respirance, particularly that mich occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides
susceptible to proteolytic degradation. The present sequence represents an insulinotropic peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidases stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervons system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel modified insulinotropic peptides for treating diabetes, nervous system disorders and for post surgery treatment, has reactive groups which react with amino, hydroxy or thiol groups on blood components.
                                                                                                             Check: 7648
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                                                                                                                                                                                                                                                                                            1 match found in sequence:
aab48807; Exendin-derived insulinotropic peptide, SEQ ID NO:18.
(from "seq4ags.pep")
TOIG of: aab48807 check: 2570 from: 1 to: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin-derived insulinotropic peptide, SEQ ID NO:18.
                                                                                                           AAB48803 Length: 31 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ezrin AM, Holmes DL,
                                                                                                                                                                                                                                                                                                                                                                                                            AAB48807 standard; peptide; 40 AA.
                                                                                                                                                                                                      HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 5; Page 91; 96pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                     Sequence 31 AA;
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15-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            St Pierre S;
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The invention relates to modified insulinotropic peptides (ITPs), or derivatives thereof which comprise a reactive group which reacts with semino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic peptides of the invention are derivatives of glucagon-like peptide 1 (GLP-1) or exemdin and contain a reactive group such as a maleimide group or a succinimidyl group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a peptide of the invention is useful for treating diabetes, paticularly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Side chain is linked to a maleimidopropionic acid (MPA) moiety, optionally via two AEEA ([2-(2-amino)ethoxy]ethoxy acetic acid) linking groups"
increased stability in the presence of peptidases. The peptides of the invention therefore have a longer in vivo. half-life as they are less susceptible to proteolytic degradation. The present sequence represents an ineulinorropic peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidase stabilisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
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                                                                                                                                 Check: 2570
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                                                                                                                               AAB48807 Length: 40 February 4, 2005 13:19 Type: P
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                                                                                                                                                                                                     HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPSK
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                                                                                                                                                                                                                                                                               1 match found in sequence:
aabs8822; Exendin-4(1-39)Lys40.
(from "seq4ags.pep")
TOIG of: aab48822 check: 2570
                                                                                                                                                                                                                                                                                                                                                                            AAB48822 standard; peptide;
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                                                                                                Sequence 40 AA;
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15-OCT-1999;
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the treatment of nervous system disorders including anxiety, psychosis, the reatment of nervous system disorders including anxiety, psychosis, seizures, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the CNS for the treatment of disorders such as depression, memory loss and narcolepsy; and as a treatment for insulin resistance, particularly that which occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the susceptible to proteolytic degradation, the present sequence represents an insulinotropic peptide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 maleimidopropionic acid
(maturity onset) diabetes. It is also useful as a sedative; for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Insulinotropic peptide; insulin production; GLP-1 derivative; glucagon-like peptide 1; exendin derivative; reactive group; peptidase stablisation; blood protein; conjugation; type II diabetes; insulin resistance; nervous system disorder; sedative; anxiolytic; antidiabetic; neuroprotective; tranquiliser; anticonvulsant.
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(MPA) moiety, optionally via two AEEA ([2-(2-
amino)ethoxy|ethoxy acetic acid) linking groups"
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99US-0159783P.
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                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
lab48823; Exendin-3(1-39)Lys40.
(from "seq4ags.pep")
TOIG of: aab48823 check: 2591
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Modified-site
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15-OCT-1999;
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controlled the invention are derivatives of glucagon-like peptide 1 (GLP or exendin and contain a reactive group such as a maleimido group or a succinimidy! group. The peptides of the invention act by stimulating the synthesis or expression of insulin. A composition comprising a composition of the invention is useful for treating diabetes, paticularly type II (maturity onset) diabetes. It is also useful as a sedative; for type II (maturity onset) diabetes. It is also useful as a sedative; for type II (maturity onset) diabetes. It is also useful as a sedative; for the treatment of nervous system disorders including anxiety, psychosis, cativers, panic attacks, hysteria and sleep disorders; to induce an anxiolytic effect on the central nervous system (CNS); to activate the corn arcolepsy; and as a treatment for insulin resistance, particularly that catch occurs after certain types of surgery. The conjugation of a peptide of the invention to a blood component via the reactive group provides increased stability in the presence of peptidases. The peptides of the invention therefore have a longer in vivo. half-life as they are less can insulinotropic peptide of the invention. The presence represents
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derivatives thereof which comprise a reactive group which reacts with amino groups, hydroxyl groups or thiol groups on blood components (e.g., serum albumin) to form a stable covalent bond. The insulinotropic
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aab52825 ; Extendin-4 peptide #1.
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TOIG of: aab52825 c
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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syndrome, postprandial hyperglycaemia, eating disorders, insulin
resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                   AAB52825 Length: 30 February 4, 2005 13:20 Type: P Check: 4889
Pound using 'seq4' (mohamed337.key)
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ab55286; Bxtendin-4 peptide #2.
from "seq4ags.pep")
TOIG Of: aab52826 check: 4889 :
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ab52827; Extendin-4 peptide #3.
(from "seq4ags.pep")
TOIG of: aab52827 check: 700 f
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99US-0132018P.
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ab552829 ; Extendin-4 peptide #5.
(from "seq4aq8.pep")
TOIG of: aab52829 check: 261 f
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                                       (AMYL-) AMYLIN PHARM INC.
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                                                                   Prickett K;
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            30-APR-1999;
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                                                                                                             Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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   AAB52827 standard; peptide; 28 AA.
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aab52828; Extendin-4 peptide #4.
[from "seq48g.pep"]
TOIG of: aab52828 check: 9131
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                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
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                                                                                     Extendin-4 peptide #3
                                                                                                                                                                                                                                                                                                                                  Prickett K;
                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-672834/65.
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                                                                                                                                                            Heloderma sp.
                                                                                                                                                                                                                                                                            30-APR-1999;
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                                                                                                                                                                                                                                                                                                                                    foung A,
                               AAB52827
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                    The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                             Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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insulin-resistance syndrome; food intake.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                    AAB52840 standard; peptide; 39
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aab52841; Extendin-4 peptide #8.
(from "seq4ags.pep")
TOIG of: aab52841 check: 9570
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                                                                                                                                          Extendin-4 peptide #7.
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diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                   AAB52829 Length: 28 February 4, 2005 13:20 Type: P Check: 261 ound using 'seq4' (mohamed337.key)
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ound using 'seq4' (mohamed337.key)
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aab52840 ; Extendin-4 peptide #7.
(from "seq4ags.pep")
TOIG of: aab52840 check: 9570
                                                                                                                                                                                                                                                                                  1 match found in sequence:
aab52830 ; Extendin-4 peptide
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TOIG of: aab52830 c
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Sequence 39 AA;
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                                                                                                              Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                           been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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 28-APR-2000; 2000WO-US011814
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                       99US-0132018P
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                                             (AMYL-) AMYLIN PHARM INC
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                                                                   Prickett K;
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                                                                                          WPI; 2000-672834/65
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OIG of: aab52845 c
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                       30-APR-1999;
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                                                                    Young A,
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52852; Extendin-4 peptide #19.
(from "seq4ags.pep")
TOIG of: aab52852 check: 9270 f:
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aab52853 ; Extendin-4 peptide #20.
(from "seq4ags.pep")
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AAB52853

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Type: P Check: 9686
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNKGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                                                                                                                                                                    Example 4; Page 72; 119pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . match found in sequence:
abs52856. Extendin-4 peptide #23.
(from "seq4ags.pep")
TOIG of: aab52856 check: 9690 f
                    28-APR-2000; 2000WO-US011814.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-APR-2000; 2000WO-US011814.
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                                                            99US-0132018P
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                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                        Young A, Prickett K;
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                                                                                                                                                                              WPI; 2000-672834/65.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
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                                                            30-APR-1999;
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  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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  from: 1
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                                       39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aab52855; Extendin-4 peptide #22.
(from "seq4aga.pep")
TOIG of: aab52855 check: 9686 f
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                                       AAB52853 standard; peptide;
check: 9270
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                                                                                                                                                             Extendin-4 peptide #20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-672834/65.
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TOIG of: aab52853
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AAB52855;

Young A,

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                  to:
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                  from: 1
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                                                        AAB52858 standard; peptide; 39 AA.
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syndrome;
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aab52859 ; Extendin-4 peptide #26.
                check: 9570
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young A, Prickett K;
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                                                                                                                                                                                 Extendin-4 peptide
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(from "seq4ags.pep")
TOIG of: aab52858 c
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TOIG of: aab52859 c
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                                                                                                 AAB52858;
                                                           Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to extendins and their agonists which have
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obseity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, poerprandial dumping syndrome, postprandial hypelycamenia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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modified with molecular weight increasing agents such as
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGKPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                          match found in sequence:
aab52857 ; Extendin-4 peptide #24.
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WO200066629-A1

Heloderma

09-NOV-2000

30-APR-1999;

Young A,

(from "seq4ags.pep") TOIG of: aab52857 c

1 match

28-FEB-2001

AAB52857

Extendin;

Sequence 39 AA;

88888888

Found using 'seq4'

AAB52856

. match found in sequence: aab52858 ; Extendin-4 peptide #25.

1 match

Sequence 39 AA;

Found using 'seq4'

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aab52872 ; Gila monster extendin-4 protein.
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TOIG of: aab52872 cl
                                                                                                                                                               Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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ound using 'seq4' (mohamed337.key)
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                                             28-APR-2000; 2000WO-US011814.
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ab552871; Mexican beaded lizard
(from "seq4ags.pep")
TOIG Of: aab52871 check: 9591
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                                                                                                                                       (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                              WPI; 2000-672834/65.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 42 AA;
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                                                                                           30-APR-1999;
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09-NOV-2000
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X8X11X8X1X8X3X6X8X8X8X8X8X8X8X8X8X

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                              Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                              The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52892; Extendin agonist compound #20.
(from "seq4ags.pep")
TOIG of: aab52892 check: 261 from: 1
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                                                      28-APR-2000; 2000WO-US011814
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
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                                                                                             30-APR-1999;
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                  09-NOV-2000.
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                                                                                                                                                                          Young A,
Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (FEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                 Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia;
insulin-resistance syndrome; food intake.
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                                      to: 30
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                                      from: 1
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   aab52891 ; Extendin agonist compound #19
   (from "seq4ags.pep")
   TOIG of: aab52891 check: 700 from: 1
  aab52890 ; Extendin agonist compound #18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28 AA
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
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                                                                                                                                                                                                 Extendin agonist compound #18.
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                                                                             AAB52890 standard; peptide;
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                                      check: 4889
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                    (from "seq4ags.pep")
TOIG of: aab52890 c
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BXSXXXXXXXXXXXX

to: 28

from: 1

check: 166

aab52894 ; Extendin agonist compound #22

match found in sequence (from "seq4ags.pep") TOIG of: aab52894 c

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
               The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose treatmee, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                   AAB52892 Length: 28 February 4, 2005 13:20 Type: P Check: 261 ound using 'seq4' (mohamed337.key)
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aab52893; Extendin agonist compound #21.
(from "seq4ags.pep")
TOIG of: aab52893 check: 249 from: 1
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                                                                                                                                                                                                                                                          HGEGTFTSDLSKOLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Extendin agonist compound #21.
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HAEGTFTSDLSKQLEEEAVRLFIEFLKN

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                 Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52895 ; Extendin agonist compound #23.
(from "seq4ags.pep")
TOIG of: aab52895 check: 231 from: 1
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AAB52894 standard; peptide; 28
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Found using 'seq4' (mohamed337.key)
                                                                                       Extendin agonist compound #22
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                             AAB52894;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                             Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                  The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PBG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52896; Extendin agonist compound #24.
(from "seq4ags.pep")
TOIG of: aab52896 check: 117 from: 1
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                                                                                                                                                                                                                                                            Disclosure, Fig 4; 119pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTATSDLSKQLEEEAVRLFIEFLKN
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                                                                                                              (AMYL-) AMYLIN PHARM INC
                                                                                                                                           Prickett K;
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WO200066629-A1
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                                                                                     30-APR-1999;
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                            09-NOV-2000
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                                                                                                                                              Young A,
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to: 28

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                       The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                   Check: 117
                                                                                                                                                                                     Type: P
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                                                                                                                                                                                                                                                                                                                        match found in sequence:
aab52897; Extendin agonist compound #25.
(from "seq4ags.pep")
TOIG of: aab52897 check: 151 from: 1
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Disclosure; Fig 4; 119pp; English.
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HGEGTFTADLSKQLEEEAVRLFIEFLKN
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AAB52897 Length: 28 February 4, 2005 13:20 Type: P Check: 151 Found using 'seq4' (mohamed337.key)

HGEGTFTSDASKQLEEEAVRLFIEFLKN

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52300; Extendin agonist compound #28.
(from seq4ags.pep")
TOIG of: aab52900 check: 53 from: 1 t
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                          match found in sequence:
aab52898; Extendin agonist compound #26.
(from "seq4ags.pep")
TOIG of: aab52898 check: 63 from: 1 t
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(from "seq4ags.pep")
TOIG of: aab52899 check: 141 from: 1
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to: 28

(first entry)

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                  l match found in sequence:
aab52902; Extendin agonist compound #30.
(from "seq4ags.pep")
TOIG of: aab52902 check: 201 from: 1
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                                                                                                                              AAB52902 standard; peptide; 28
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                                    The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose treatmee, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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   aab52901 ; Extendin agonist compound #29
   from "seq4ags.pep")
   TOIG of: aab52901 check: 107 from: 1
Disclosure; Fig 4; 119pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB52901;
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99US-0132018P.

Prickett K;

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The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                               AAB52902 Length: 28 February 4, 2005 13:20 Type: P Check: 201 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                              . match found in sequence:
aab52903; Extendin agonist compound #31.
[from "seq4ags.pep"]
TOIG of: aab52903 check: 197 from: 1
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                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKQLAEEAVRLFIEFLKN
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                                                                                                                                                                                  Sequence 28 AA;
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HGEGTFTSDLSKQAEEEAVRLFIEFLKN 1

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                   their agonists which have
                                                               The present invention relates to extendins and their agonists which he been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucoseance, locatprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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insulin-resistance syndrome; food intake.
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3 'seq4' (mohamed337.key)
 treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aab52905 ; Extendin agonist compound #33.
[from *seq4ags.pep"]
TOIG Of: aab52905 check: 9862 from: 1
                                  Disclosure; Fig 4; 119pp; English.
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HGEGTFTSDLSKQLEEAAVRLFIEFLKN
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                                                                                                                                                                                    Sequence 28 AA;
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                                                                                                                                                                                                                                     Found using 'seq4'
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 Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                                                                                                                                                               The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PBG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
   aab52904 ; Extendin agonist compound #32.
   (from "seq4ags.pep")
   TOIG of: aab52904 check: 193 from: 1
                                                                                                                                                                                                                                                                                                                                  Disclosure; Fig 4; 119pp; English
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                                                                                                28-APR-2000; 2000WO-US011814
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 Heloderma sp.
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Modified exendin or an exendin agonist linked to one or more polyethylene
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                                                                                                                                                                                                                                                                                                                                  The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucorarnice, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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aab52908; Extendin agonist compound #36.
(from "seq4ags.pep")
TOIG of: aab52908 check: 165 from: 1
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                                                                                                   28-APR-2000; 2000WO-US011814.
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                                         WO200066629-A1.
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               Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52907 ; Extendin agonist compound #35.
                                           match found in sequence:
aab52906 ; Extendin agonist compound #34
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                                                                                                                   AAB52906 standard; peptide; 28 AA
 28
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                                                                                      check: 9921
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                                                                         (from "seq4ags.pep")
TOIG of: aab52906 c
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TOIG of: aab52907 o
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                                                                                                                                                                                                                                   Extendin;
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to: 28

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                  . match found in sequence:
aab52910 ; Extendin agonist compound #38
[from "seq4ags.pep"]
TOIG of: aab52910 check: 9975 from: 1
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aab52911 ; Extendin agonist compound #39
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HGEGTFTSDLSKQLEEEAVRLFIEALKN
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TOIG of: aab52911 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                          The present invention relates to extendins and their agonists which have
                                                                                                                                             been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia;
insulin-resistance syndrome; food intake.
         glycol (PEG) polymers, modulate plasma glucose levels, useful for
treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                 AAB52908 Length: 28 February 4, 2005 13:20 Type: P Check: 165 Found using 'seq4' (mohamed337.key)
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Found using 'seq4' (mohamed337.key)
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aab52909 ; Extendin agonist compound #37
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                                                                          Disclosure, Fig 4; 119pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett K;
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TOIG of: aab52909 c
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                                                                                                                                                                                                                                                                                      Sequence 28 AA;
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Heloderma sp.

09-NOV-2000

28-FEB-2001

30-APR-1999;

Young A,

Type: P Check: 9975

to: 28

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
  or more polyethylene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to extendins and their agonists which have
                                                                                                                     The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucorance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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Modified exendin or an exendin agonist linked to one or more p
glycol (PEG) polymers, modulate plasma glucose levels, useful
treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                            Check: 9897
                                                                                                                                                                                                                                                                                                              Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        l match found in sequence:
aab52913; Extendin agonist compound #41.
(from "seq4ags.pep")
TOIG of: aab52913 check: 6333 from: 1
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                                                                                     Disclosure; Fig 4; 119pp; English.
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                                                                                                                                                                                                                                                                        Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PBG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
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          insulin-resistance syndrome; food intake.
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aab52912 ; Extendin agonist compound #40.
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TOIG of: aab52912 o
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                                                   Heloderma
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                                                                                                                                                                                                                                                                                                    Young A,
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
   aab52916 ; Extendin agonist compound #44.
   (from "seq4ags.pep")
   TOIG of: aab52916 check: 2854 from: 1
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                                                                                                 WO200066629-A1
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                                                              Heloderma sp.
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    Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                        Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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                    HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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                                                                                               match found in sequence:
aab52914; Extendin agonist compound #42.
(from "seq4ags.pep")
TOIG of: aab52914 check: 5894 from: 1
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aab52915 ; Extendin agonist compound #43
(from 'seq4ags.pep")
TOIG of: aab52915 check: 3293 from: 1
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
           Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                    The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                     AABS2916 Length: 37 February 4, 2005 13:20 Type: P Check: 2854 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aab52917 ; Extendin agonist compound #45
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                                                                                      Disclosure; Fig 4; 119pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB52917 standard; peptide; 36 AA
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TOIG of: aab52917 c
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AAB52917 Length: 36 February 4, 2005 13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
                                                     match found in sequence:
aab52918 ; Extendin agonist compound #46.
(from "seq4ags.pep")
TOIG of: aab52918 check: 9894 from: 1
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TOIG of: aab52919 c
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glyou (PEG). These can be used in the treatment of diabetes, obsety, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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insulin-resistance syndrome; food intake.
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                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA
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                                                                                             Disclosure, Fig 4; 119pp; English
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 WPI; 2000-672834/65.
                                                                                                                                                                                                                                        Sequence 35 AA;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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             diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
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aab52920; Extendin agonist compound #48.
(from "seq4ags.pep")
TOIG of: aab52920 check: 7014 from: 1
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                                                                                                                                                                                                                                                                                     WPI; 2000-672834/65.
              Extendin; agonist;
insulin-resistance
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                                                             Heloderma sp.
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                        present invention relates to extendins and their agonists which have
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                          Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52924 ; Extendin agonist compound #52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDLSKOMEEBAVRLFIEWLKNGGPSS
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Extendin agonist compound #51.
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insulin-resistance
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TOIG of: aab52924 o
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                                                                                                                                                                                                                                                                                                     Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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                                           HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG
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                                                                                                                     aab52922 ; Extendin agonist compound #50.
(from "seq4ags.pep")
TOIG of: aab52922 check: 4739 from: 1
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aab52923 ; Extendin agonist compound #51.
(from "seq4ags.pep")
TOIG of: aab52923 check: 2764 from: 1
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 Found using 'seq4' (mohamed337.key)
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                                                                                                         1 match found in sequence
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                                                                                                                                                                                                               AAB52922
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Type: P Check: 2764

to: 33

Check: 25

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AAB52925 Length:
Found using 'seq4'
                                                                                                                                                                        Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                       Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyechylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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                                                                                                                                                                                                                                                                                                                                                                                    to: 32
                                                                                                                                                                                                                                       February 4, 2005 13:20
                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aab55925; Extendin agonist compound #53
(from "seq4ags.pep")
TOIG of: aab52925 check: 25 from: 1 '
                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
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                                                                                            Disclosure, Fig 4; 119pp; English
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                                                                                                                                                                                                                                       AAB52924 Length: 33 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Extendin agonist compound #53
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2000-672834/65.
             WPI; 2000-672834/65.
                                                                                                                                                                                                             Sequence 33 AA;
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PBG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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Length: 32 February 4, 2005 13:20 Type: P
'seq4' (mohamed337.key)
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aab52927 ; Extendin agonist compound #55
                                                                                                                                                                                                                                                                            check: 9586 from: 1
                                                                                                                                                                                               match found in sequence:
aab52926 ; Extendin agonist compound #54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPS
                                                                            HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Extendin agonist compound #54.
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TOIG of: aab52927 c
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TOIG of: aab52926 c
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Found using 'seq4'
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                                                                  invention relates to extendins and their agonists which have
                                                                                                                                                                                                                                       been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obseity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
ab55292 ; Extendin agonist compound #57.
from "seqags.pop")
TOIG Of: aab52929 check: 4450 from: 1
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Young A, Prickett K;
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                                             WPI; 2000-672834/65.
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  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                             Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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Found using 'seq4' (mohamed337.key)
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                      Extendin agonist compound #55,
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of: aab52928
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                                                                                                                               Heloderma sp.
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                        Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia;
insulin-resistance syndrome; food intake.
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ab52932; Extendin agonist compound #60.
from "seq4ag.pep")
TOIG Of: aab52932 check: 6333 from: 1
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                                      Extendin agonist compound #59.
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  (first entry)
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                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                   Young A, Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 29 AA;
                                                                                                                                                                       WO200066629-A1
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                                                                                                                                   Heloderma sp
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  28-FEB-2001
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                    Check: 4450
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Found using 'seq4' (mohamed337.key)
                Length: 30 February 4, 2005 13:20 Type: P 'seq4' (mohamed337.key)
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   ab552931; Extendin agonist compound #59.
   (from "seq44gs.pep")
   TOIG Of: aab52931 check: 2320 from: 1
                                                                                                                                                                     . match found in sequence:
abs52330; Extendin agonist compound #58.
(from "seq4ags.ppp")
TOIG of: aab52930 check: 2759 from: 1
                                                                                                                                                                                                                                                                    AAB52930 standard; peptide; 29 AA.
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                                                                                          HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
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Sequence 38 AA;
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                                                               Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                         The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucoarcher tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                               Check: 6333
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aab52933; Extendin agonist compound #61.
(from "seq4ags.pep")
(Tool of: aab52933 check: 6333 from: 1
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                 Prickett K;
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                                        WPI; 2000-672834/65.
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                 Young A,
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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  Check: 6333
  Type: P
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AAB52933 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
                                                                                                            HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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ab55935 ; Extendin agonist compound #63.
(from "seq4ags.pep")
TOIG of: aab52935 check: 4125 from: 1
                                                                                                                                                                                                                                                                                                                    check: 3541 from: 1
                                                                                                                                                                                                                               match found in sequence:
aab52934 ; Extendin agonist compound #62
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ound using 'seq4' (mo
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TOIG of: aab52934
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                           Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for
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                                                                                                                                                                                                                                                     The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                    glycol (PEG) polymers, modulate plasma glucose lu
treating disorders such as diabetes and obesity.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
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aab52937; Extendin agonist compound #65.
(from "seq4ags.pep")
TOIG of: aab52937 check: 333 from: 1
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(AMYL-) AMYLIN PHARM INC.
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                                          Prickett K;
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                                                                                   WPI; 2000-672834/65.
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                                            Young A,
glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                       diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
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aab52936; Extendin agonist compound #64
(from "seq4ags.pep")
TOIG of: aab52936 check: 3293 from: 1
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                                                              Extendin agonist compound #63
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                                                                                                         Extendin; agonist; insulin-resistance
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                         Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52940; Extendin agonist compound #68.
(from "seq4ags.pep")
TOIG of: aab52940 check: 369 from: 1
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| HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
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                                                                          Extendin agonist compound #67.
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                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                   Heloderma sp.
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AAB52939;
Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                      Check: 333
                                                    AAB52937 Length: 36 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
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aab52938 ; Extendin agonist compound #66
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aab52939 ; Extendin agonist compound #67.
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TOIG of: aab52939
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of: aab52938
                   Sequence 36 AA;
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99US-0132018P.

30-APR-1999;

AAB52939 standard; peptide; 30 AA.

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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 resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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insulin-resistance syndrome; food intake.
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aab52942; Extendin agonist compound #70.
(from "seq4ags.pep")
TOIG of: aab52942 check: 701 from: 1
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aab52943 ; Extendin agonist compound #71.
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HGEGTFSSDLSKQMEEEAVRLFIEWLKN
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TOIG of: aab52943
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                                                                                                                                                                                                                            been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycemania eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aab52941 ; Extendin agonist compound
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                 (AMYL-) AMYLIN PHARM INC.
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                                               Prickett K;
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TOIG of: aab52941 c
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AAB52943;

Young A,

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab52946; Extendin agonist compound #74.
[from "seq4ags.pep"] (Tool of: aab52946 check: 1045 from: 1
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99US-0132018P
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                                         (AMYL-) AMYLIN PHARM INC.
                                                                               Prickett K;
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30-APR-1999;
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Found using 'seq4' (mohamed337.key)
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                                                                                                   Extendin agonist compound #71
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                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aab52945 c
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                                                                                                                                                                                                      Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                          30-APR-1999;
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Heloderma

AAB52945;

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                      Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52949; Extendin agonist compound #77.
[from "seq4ags.pep"]
(TOIG of: aab52949 check: 2649 from: 1
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HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS
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AAB52948 standard; peptide; 33 AA.
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                                                                                                                   Extendin agonist compound #76.
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                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                  Heloderma sp
                                                                            28-FEB-2001
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                                         AAB52948;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young A,
  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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syndrome, postprandial hyperglycaemia, eating disorders, insulin
resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                             AAB52946 Length: 28 February 4, 2005 13:20 Type: P Check: 1045 Found using 'seq4' (mohamed337.key)
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   aab52948 ; Extendin agonist compound #76.
   (from "seq4ags.pep")
   TOIG of: aab52948 check: 2215 from: 1
                                                                                                                                                                                                                                                          1 match found in sequence:
aab52947 ; Extendin agonist compound #75.
                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                               AAB52947 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
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of: aab52947 c
                                                           Sequence 28 AA;
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(from "seq4ags.pep")
TOIG of: aab52960 c
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                                                                                                                                                                                                                                                                                                                                              Heloderma sp.
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ន្តដូន្ធន
                                                                                                                                                                                                                   Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                                                                                                                                                                     The present invention relates to extendins and their agonists which have
                                                                                                                                                                               been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obseity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                       29 February 4, 2005 13:20 Type: P Check: 2649 (mohamed337.key)
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aab52950 ; Extendin agonist compound #78
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                                                                                                                                                                                                                                                                                                               HGEGTFTSDASKOMEEEAVRLFIEWLKNG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Extendin agonist compound #78.
          99US-0132018P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                (AMYL-) AMYLIN PHARM INC
                                                      Prickett K;
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                                                                             WPI; 2000-672834/65.
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TOIG of: aab52950
                                                                                                                                                                                                                                                    Sequence 29 AA;
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          30-APR-1999;
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                                                        Young A,
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Modified exendin or an exendin agoniat linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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                             syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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diabetes, obesity, impaired glucose tolerance, postprandial dumping
                                                                                                                                                                                                         Check: 3183
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ab552964; Bxtendin agonist compound #92.
(from "sequence ppp")
TOIG Of: aab52964 check: 688 from: 1
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aab52960 ; Extendin agonist compound #88.
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AAB52964

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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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aab53026 ; Extendin agonist compound #154.
firom "seq4ags.pep")
TOIG of: aab53026 check: 5882 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Extendin agonist compound #154.
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28-APR-2000; 2000WO-US011814.
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                                                                                                                Young A, Prickett K;
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                                                                                                                                                    WPI; 2000-672834/65.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200066629-A1
                                    30-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB53026;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                       Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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aab52967 ; Extendin agonist compound #95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                check: 590 from: 1
                  standard; peptide; 28 AA.
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HGAGTFTSDLSKQMEBEAVRLFIEWLKN
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                                                                                                                                  Extendin agonist compound #92.
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                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett K;
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TOIG of: aab52967
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                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
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                AAB52964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young A,
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AAB52967;

; to:

from: 1

8X33333

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rolG of: aab53035 check: 9574
                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                    Prickett K;
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                                                                                                                                                                                                            Heloderma sp
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                                                               AAB53035
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                                 Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
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 polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                   diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Type: P Check: 7002
                                                                                                              AAB53026 Length: 38 February 4, 2005 13:20 Type: P Check: 5882 Found using 'seq4' (mohamed337 key)
                                                                                                                                                                                                                                                                                              to: 35
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Found using 'seq4' (mohamed337.key)
                                                                                                                                                                               HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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aab53035 ; Extendin agonist compound #163.
(from "seq4ags.pep")
                                                                                                                                                                                                                                             1 match found in sequence:
    aab53031 ; Extendin agonist compound #159.
    (from "seq4ags.pep")
    TOIG of: aab53031 check: 7002 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                         Extendin agonist compound #159.
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                                                                                                                                                                                                                                                                                                                             AAB53031 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Extendin; agonist;
insulin-resistance
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                                                                                     Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Heloderma sp
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
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                                                                                                                                                                                                                                                             Extendin; agonist; diabetes; obesity; eating disorder; dyslipidaemia; insulin-resistance syndrome; food intake.
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to:
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aab53039; Extendin agonist compound #167.
[from "seq4ags.pep"]
TOIG of: aab53039 check: 6321 from: 1
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HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
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A
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                                                                                                                                                                                                        Extendin agonist compound #163.
AAB53035 standard; peptide; 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    28-APR-2000; 2000WO-US011814
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                                                                                                                                Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.
                                                                                                                                                                                                        The present invention relates to extendins and their agonists which have been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose treance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diabetes; obesity; eating disorder; dyslipidaemia; syndrome; food intake.
                                                                                                                                                                                                                                                                                                                      Check: 6321
                                                                                                                                                                                                                                                                                                                      Type: P
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                                                                                                                                                                                                                                                                                                                    AAB53039 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                   HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
aab53043; Extendin agonist compound #171.
(from "seq4ags.pep")
TOIG of: aab53043 check: 7441 from: 1
                                                                                                                                                                                   Disclosure; Fig 4; 119pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Extendin agonist compound #171.
           28-APR-2000; 2000WO-US011814.
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                                  99US-0132018P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB53043 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                          (AMYL-) AMYLIN PHARM INC
                                                                                  Prickett K;
                                                                                                         WPI; 2000-672834/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             insulin-resistance
                                                                                                                                                                                                                                                                                             Sequence 38 AA;
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                                   30-APR-1999;
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                                                                                   Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB53043
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Modified exendin or an exendin agonist linked to one or more polyethylene glycol (PEG) polymers, modulate plasma glucose levels, useful for treating disorders such as diabetes and obesity.

(AMYL-) AMYLIN PHARM INC Prickett K;

WPI; 2000-672834/65.

Young A,

The present invention relates to extendins and their agonists which have

Disclosure; Fig 4; 119pp; English

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The invention relates to a new method for evaluating beta-cell secretory capacity in an individual, or responsiveness of a beta-cell to glucose, comprising the administration of glucose and glucagon. Like peptide-1 (GLP -1) or its biologically active analogues. The response in the individual to is then measured against the standard response of a healthy individual to determine if the individual has impaired beta-cell function. The method is useful for detecting impaired beta-cell function in an individual, and is particularly useful for diagnosing impaired glucose tolerance (IGT) and non-insulin-dependent (FYPP II) diabetes. The method is a rapid test of beta-cell function, which is a marker for impaired glucose tolerance. Unlike prior methods, the method is reliable and without significant adverse side effects and/or patient pain and discomfort. The method also provides information about insulin secretory capacity, and is easy and reproducible. The present sequence represents a Gila monster venom GLP-1 analogue peptide referred to in the disclosure of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Evaluating beta-cell secretory capacity and responsiveness to glucose, useful for diagnosing impaixed glucose tolerance and diabetes, comprises employing glucagon-like-peptide-1 as a diagnostic test to determine beta-cell function.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin 3; Gila monster venom; GLP-1 analogue; glucagon-like peptide-1; type II diabetes; non-insulin dependent diabetes mellitus; NIDDM; beta-cell function; secretory capacity; impaired glucose tolerance; IGT; beta-cell stimulatory test; diagnostic test; insulinotropic.
been modified with molecular weight increasing agents such as polyethylene glycol (PEG). These can be used in the treatment of diabetes, obesity, impaired glucose tolerance, postprandial dumping syndrome, postprandial hyperglycaemia, eating disorders, insulin resistance syndrome, dyslipidaemia and to suppress glucagon secretion
                                                                                                                                                                                       Type: P Check: 7441
                                                                                                                                                                                                                                                                                                                                                                                . match found in sequence:
aab60252 ; Gila moneter venom GLP-1 analogue, exendin 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gila monster venom GLP-1 analogue, exendin 3.
                                                                                                                                                                                       AAB53043 Length: 35 February 4, 2005 13:20 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                    HGAGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB60252 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vilsboll T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-102518/11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aab60252 c
                                                                                                                                                Sequence 35 AA;
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seq4 ags.res

82

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Sequence 39 AA;
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AAB60252 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

|-----| HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS 1

match found in sequence: aab60254 ; Gila monster venom GLP-1 analogue, exendin 4. check: 9570 from: 1 (from "seq4ags.pep") TOIG of: aab60254 c

AAB60254 standard; peptide; 39 AA.

AAB60254;

28-MAR-2001 (first entry)

Gila monster venom GLP-1 analogue, exendin 4.

Exendin 4; Gila monster venom; GLP-1 analogue; glucagon-like peptide-1; type II diabetees; non-insulin dependent diabetes mellitus; NIDDW; beta-cell function; secretory capacity; impaired glucose tolerance; IGT; beta-cell stimulatory test; diagnostic test; insulinotropic.

Heloderma suspectum

WO200077039-A2

21-DEC-2000.

14-JUN-2000; 2000WO-US016428

99US-00333415 15-JUN-1999;

BION-) BIONEBRASKA INC.

Holst JJ, Vilsboll T;

WPI; 2001-102518/11.

Evaluating beta-cell secretory capacity and responsiveness to glucose, useful for diagnosing impaired glucose tolerance and diabetes, comprises employing glucagon-like-peptide-1 as a diagnostic test to determine beta-cell function.

Disclosure; Page 13; 42pp; English.

The invention relates to a new method for evaluating beta-cell secretory capacity in an individual, or responsiveness of a beta-cell to glucose, comprising the administration of glucose and glucagon-like peptide-1 (GLP-1) or its biologically active analogues. The response in the individual is then measured against the standard response of a healthy individual of determine if the individual has impaired beta-cell function. The method is particularly useful for diagnosing impaired beta-cell function in an individual, and is particularly useful for diagnosing impaired glucose tolerance (IGT) and non-insulin-dependent (type II) diabetes. The method is a rapid test of beta-cell function, which is a marker for impaired glucose tolerance. Unlike prior methods, the method is reliable and without significant adverse side effects and/or patient pain and discomfort. The method also provides information about insulin secretory capacity, and is easy and reproducible. The present sequence represents a Gila monster venom GLP-1 analogue peptide referred to in the disclosure of the invention

Sequence 39 AA;

Pebruary 4, 2005 13:19 Type: P Check: 9570 AAB60254 Length: 39 February 4, Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence: aab64181 ; Mexican beaded lizard exendin-3, SEQ ID NO:1. check: 9591 from: 1 (from "seq4ags.pep") TOIG of: aab64181 c

to: 39

AAB64181 standard; peptide; 39 AA.

AAB64181;

27-MAR-2001 (first entry)

Mexican beaded lizard exendin-3, SEQ ID NO:1.

Exendin-3; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; Mexican beaded lizard.

Heloderma horridum

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 11; Page 10-11; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive of isorders such as pre-clampsia, and urinary tract infections. GDM regulates and is sasociated with an increased risk of neonatal the defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocathaemia, hypomagnesemia, polycythaemia, hyporablirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Maxican beaded lizard (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents exendin-3 cemptying and reduce appetite. The present sequence represents exendin-3 cemptying and reduce appetite in the sequence represents exendin-3 cemptying and reduce appetite. The present sequence represents evendin-3 cemptying and reduce appetite in the sequence represents evendin-3 cemptying and reduce appetite in the sequence represents evendin-3 cemptying and reduce appetite in the sequence represents evendin-3 cemptying and reduce appetite

Sequence 39 AA;

AAB64181 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

to: 39 aab64182; Gila monster exendin-4, SEQ ID NO:2. (from "seq4ags.pep")
TOIG of: aab64182 check: 9570 from: 1 to: 3 1 match found in sequence:

AAB64182 standard; peptide; 39 AA

AAB64182;

(first entry) 27-MAR-2001

Gila monster exendin-4, SEQ ID NO:2.

Exendin-4; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; Gila monster.

Heloderma suspectum,

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 12; Page 11; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypothilirubinaemia, and subsequent childhood and adolescent obesity. Steendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents exendin-4 from the Gila monster, which is specifically claimed for use in the The invention relates to the use of an exendin (AAB64181-B64182) or an nvention

Sequence 39 AA;

AAB64182 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

to: 30 match found in sequence:
abs64185; Exendin-4 (1-30), SEQ ID NO:6.
from "seq438.pep"
TOIG of: aab64185 check: 4889 from: 1

AAB64185 standard; peptide; 30 AA.

AAB64185;

27-MAR-2001 (first entry)

Exendin-4 (1-30), SEQ ID NO:6.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867, 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agoniat (AAB64185-B64368) for treating gestational diabbtes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cincrease insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, compounds are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional inaulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a severe prolonged effect on blood glucose, and, unlike conventional inaulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a grecifically claimed exendin agonist, which is based upon the sequence of eventions. exendin-4

Sequence 30 AA; g AAB64185 Length: 30 Pebruary 4, 2005 13:19 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEBAVRLFIEWLKNGG

to: 30 match found in sequence:
aab64186; Exendin-4 (1-30)-amide, SEQ ID NO:7.
(from "seq4ags.pep")
TOIG of: aab64186 check: 4889 from: 1 to: 30

AAB64186 standard; peptide; 30 AA

AAB64186;

27-MAR-2001 (first entry)

Exendin-4 (1-30)-amide, SEQ ID NO:7.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

WO200073331-A2

07-DEC-2000,

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

specifically claimed exendin agonist, which is based upon the sequence of exendin-4 SXXX

Sequence 30 AA;

AAB64186 Length: 30 February 4, 2005 13:19 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG

1 match found in sequence:
 ab564187; [Leu 14, Ala 22, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:8.
 (from "seq49gs.pp")
 TOIG of: aab64187 check: 151 from: 1 to: 28

AAB64187 standard; peptide; 28 AA.

AAB64187;

27-MAR-2001 (first entry)

[Leu 14, Ala 22, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:8.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Disclosure; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive alsociated with a pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, pypomagneasemia, pypycytheemia, hypocalcaemia, pyporagneasemia, pypycythemia, chyperbilitubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-2) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a

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potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
   888888
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Sequence 28 AA;

4187 Length: 28 February 4, 2005 13:19 Type: P Check: 151 using 'seq4' (mohamed337.key) AAB64187 Found

HGEGTFTSDLSKQLEEEAVRLAIEFLKN 1

match found in sequence: nab64188 ; [Leu 14, Phe 25]- exendin-4 amide, SEQ ID NO:9. to: 39 check: 9131 from: 1 (from "seq4ags.pep") TOIG of: aab64188 cl aab64188 ;

AAB64188 standard; peptide; 39 AA

27-MAR-2001 (first entry)

[Leu 14, Phe 25] - exendin-4 amide, SEQ ID NO:9.

Exendin agonist; gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for invention relates to the use of an exendin (AAB64181-B64182) or an

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GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a specifically claimed exendin agonist, which is based upon the sequence of
                                                                                                                                                                          exendin-4
     88888888
```

Sequence 39 AA;

Type: P Check: 9131 AAB64188 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPPS

to: 39 from: 1 . match found in sequence: aab64189; Exendin agonist, SEQ ID NO:9. (from "seq4ags.pep") TOIG of: aab64189 check: 9351 from: 1

AAB64189 standard; peptide; 39 AA

AAB64189;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:9.

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 1; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 888888888888

Sequence 39 AA;

AAB64189 Length: 39 February 4, 2005 13:19 Type: P Check: 9351 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGPSSGAPPPS

to: 39 from: 1 1 match found in sequence:
abb4190 ; Exendin agonist, SEQ ID NO:10.
(from "seq4ags.pep")
TOIG of: aabb4190 check: 9776 from: 1

AAB64190 standard; peptide; 39 AA. 27-MAR-2001 (first entry) AAB64190;

Exendin agonist, SEQ ID NO:10. Exendin agonist;

gestational diabetes mellitus; GDM; insulin resistance; regnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1099;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and iss due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 2; Fig 1A; 133pp; English. especially in a human.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional limulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA; 8866666666666888 AAB64190 Length: 39 February 4, 2005 13:19 Type: P Check: 9776 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 aab64191; Exendin agonist, SEQ ID NO:11. (from "seq4ags.pep") TOIG of: aab64191 check: 9365 from: 1 match found in sequence:

Ą

AAB64191 standard; peptide; 39

AAB64191;

27-MAR-2001

(first entry)

Exendin agonist, SEQ ID NO:11.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231. 07-DEC-2000,

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 3; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both with GDM have incomplications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites

such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

4191 Length: 39 February 4, 2005 13:19 Type: P Check: 9365 using 'seq4' (mohamed337.key) AAB64191 Found

|-----| HGEGTFTSDLSKQMEEEAVRLPIEFLKNGGPSSGAPPPS

t0: from: 1 match found in sequence:
aab64192; Exendin agonist, SEQ ID NO:12.
(from "seq4ags.pep")
TOIG of: aab64192 check: 9807 from: 1

39

AAB64192 standard; peptide; 39 AA.

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:12.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes meallitus (GDM) in a paitient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM Example 3; Fig 1A; 133pp; English.

defects, and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypogalyozemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, not busequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional contraint therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

AAB64192 Length: 39 February 4, 2005 13:19 Type: P Check: 9807 Found using 'eeq4' (mohamed337.key)

(GEGTFTSDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 match found in sequence: aab64193 ; Exendin agonist, SEQ ID NO:13. (from "seq4ags.pep") TOIG of: aab64193 check: 24 from: 1

AAB64193 standard; peptide; 39 AA 27-MAR-2001 (first entry) AAB64193;

Exendin agonist, SEQ ID NO:13.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 4; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women

seq4_ags.res

Fri Feb

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with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a not cause severe prolonged hypoglycaemia in the newborn. They have a contention and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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Sequence 39 AA;

AAB64193 Length: 39 February 4, 2005 13:19 Type: P Check: 24 Found using 'seq4' (mohamed337.key)

```
HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPY
```

to: 39 check: 9787 from: 1 Exendin agonist, SEQ ID NO:14. 1 match found in sequence: (from "seq4ags.pep") TOIG of: aab64194 c aab64194 ;

AAB64194 standard; peptide; 39 AA

(first entry) 27-MAR-2001 AAB64194;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:14.

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 5; Fig 1A; 133pp; English.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both The invention relates to the use of an exendin (AAB64181-B64182) or

sesociated with complications in both the mother and the foetus.

with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypogalycaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hyporphilarubinaemia, and subsequent childhood and adolescent obssity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lazard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulincropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonistes of not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4 insulin resistance and insulin secretion increase. GDM pregnancies are \$

Sequence 39 AA;

AAB64194 Length: 39 February 4, 2005 13:19 Type: P Check: 9787 Found using 'seq4' (mohamed337.key)

HGDGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

. match found in sequence: aab64195 ; Exendin agonist, SEQ ID NO:15. check: 9898 from: 1 AAB64195 standard; peptide; 39 AA (from "seq4ags.pep") TOIG of: aab64195

to: 39

27-MAR-2001 (first entry) AAB64195;

Exendin agonist, SEQ ID NO:15.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 6; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a

combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal worbidites such as hypopalycaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hyporaglicaemia, publications of the Gila monster (exendin-1) and the Mexican beaded lisard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

AAB64195 Length: 39 February 4, 2005 13:19 Type: P Check: 9898 Found using 'seg4' (mohamed337.key)

HGEGTXTSDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 from: 1 . match found in sequence:
aab64196; Exendin agonist, SEQ ID NO:16.
(from "seq4ags.pep")
TOIG of: aab64196 check: 9783 from: 1 1 match found

AAB64196 standard; peptide; 39 AA

27-MAR-2001 (first entry) AAB64196;

Exendin agonist, SEQ ID NO:16.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 7; Fig 1A; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an

increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancy, both with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM essules such as pre-eclampsia, and urinary tract infections. GDM essules in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidities such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycytheemia, hypomagnesaemia, polycytheemia, byperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Glia monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due combination of increased insulin resistance and a diminished ability

AAB64196 Length: 39 February 4, 2005 13:19 Type: P Check: 9783 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

HGEGTFSSDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 aab64197; Exendin agonist, SEQ ID NO:17. (from "seq4ags.pep") (Trom seq4ags.pep") (Tolf of: aab64197 check: 9791 from: 1

AAB64197;

AAB64197 standard; peptide; 39

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:17.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867, 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 8; Fig 1A; 133pp; English.

comparatorion of interested interests, in a normal pregnancy, both insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meomatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gla monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes exendin agonist. GDM in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to

Sequence 39 AA;

AAB64197 Length: 39 February 4, 2005 13:19 Type: P Check: 9791 Found using 'seq4' (mohamed337.key)

HGEGTFSTDLSKOMEEEAVRLPIEWLKNGGPSSGAPPPS

1 match found in sequence:
aab64198 ; Exendin agonist, SEQ ID NO:18.
[from "seq4ags.pep"]
TOIG Of: aab64198 check: 9798 from: 1

to: 39

AAB64198 standard; peptide; 39 AA Exendin agonist, SEQ ID NO:18. 27-MAR-2001 (first entry) AAB64198;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Use of exendins or exendin agonists for lowering or reducing blood

core invention relates to the use of an exemini (AMBSA1812) of an exemini against (AABS4185-B64368) for treating psetational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meonatal morbidites cuch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilitubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for ont cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional content and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. invention relates to the use of an exendin (AAB64181-B64182) or an AAB64198 Length: 39 February 4, 2005 13:19 Type: P Check: 9798 Found using 'seq4' (mohamed337.key) to: 39 |-----| HGEGTFTTDLSKQMEBEAVRLPIEWLKNGGPSSGAPPPS (from "seq4ags.pep") TOIG of: aab64199 check: 9799 from: 1 . match found in sequence: aab64199 ; Exendin agonist, SEQ ID NO:19. Example 9; Fig 1A; 133pp; English. AAB64199 standard; peptide; 39 AA Exendin agonist, SEQ ID NO:19. 27-MAR-2001 (first entry) Heloderma suspectum, WO200073331-A2. Sequence 39 AA; 07-DEC-2000. Synthetic. AAB64199; 8×5555555555555555555555555555555

levels and treating gestational diabetes mellitus in a subject, Example 10; Fig 1A; 133pp; English. especially in a human.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporagloscamia, polycoalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polychaemia, potent and prolonged effect on blood glucose, and, unlike conventional neululin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 gonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

February 4, 2005 13:19 Type: P Check: 9799 AAB64199 Length: 39 February 4, Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSELSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

match found in sequence: abb64200; Exendin agonist, SEQ ID NO:20. (from "seq4ags.pop") TOIG of: aab64200 check: 9910 from: 1

to: 39

AAB64200 standard; peptide; 39 AA.

AAB64200;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:20.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 11; Fig 1A; 133pp; English.

The intention relates to the use of an exendin (AAMSA1812) or an exendin agonist (AAMSA182-B64368) for treating psestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy both insulin resistance and insulin secretion increase. GDM pregnancy women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypochagnesaemia, phypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to tract type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a compound reduce appetite. The present sequence represents a exendin and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 39 AA;

AAB64200 Length: 39 February 4, 2005 13:19 Type: P Check: 9910 Found using 'seq4' (mohamed337.key)

HGEGTFTSDXSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

aab64201 ; Exendin agonist, SEQ ID NO:21. check: 9471 from: 1 AAB64201 standard; peptide; 39 AA. (first entry) 1 match found in sequence: (from "seq4ags.pep") TOIG of: aab64201 c 27-MAR-2001 AAB64201;

to: 39

Exendin agonist, SEQ ID NO:21.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

Fri Feb

seq4_ags.res

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have as pre-eclampsia, and urinary trace infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for
                                                                                  exendins or exendin agonists for lowering or reducing blood plevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                   Example 12; Fig 1A; 133pp; English.
                                                                                                                                           especially in a human.
                             WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
                                                                                     Use of
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AAB64201 Length: 39 February 4, 2005 13:19 Type: P Check: 9471 Found using 'seq4' (mohamed337.key) HGEGTFTSDXSKQLEEEAVRLPIEFLKNGGPSSGAPPPS

to: 39 check: 9944 from: 1 . match found in sequence: aab64202 ; Exendin agonist, SEQ ID NO:22. (from "seq4ags.pep" TOIG of: aab64202 1 match

AAB64202 standard; peptide; 39 AA Exendin agonist, SEQ ID NO:22. 27-MAR-2001 (first entry) AAB64202; THE STATE OF THE S

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

23-MAY-2000; 2000WO-US014231 WO200073331-A2. 07-DEC-2000 Synthetic.

Heloderma suspectum

99US-00323867 (AMYL-) AMYLIN PHARM INC. 01-JUN-1999;

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 13; Fig 1A; 133pp; English. especially in a human WPI; 2001-137634/14.

Prickett KS;

Hiles R,

cxendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to
exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GND pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GMM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia,
calsoriancy are peptides from the salivary secretions of the Gila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
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compounds used to treat type 2 diabetes, and adversely and thus do
not cause se

AAB64202 Length: 39 February 4, 2005 13:19 Type: P Check: 9944 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

to: 39 **HGEGTFTSDLSKQXEEEAVRLPIEWLKNGGPSSGAPPPS** check: 9519 from: 1 1 match found in sequence: aab64203 ; Exendin agonist, SEQ ID NO:23. (from "seq4ags.pep TOIG of: aab64203

AAB64203 standard; peptide; 39 27-MAR-2001 (first entry) AAB64203;

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:23. Heloderma suspectum

23-MAY-2000; 2000WO-US014231. WO200073331-A2 07-DEC-2000 Synthetic.

99US-00323867. 01-JUN-1999; Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

(AMYL-) AMYLIN PHARM INC.

01-JUN-1999;

Prickett KS

Hiles R,

WPI; 2001-137634/14.

Example 15; Fig 1B; 133pp; English.

especially in a human.

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cerendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendinal are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional members of mostlying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4
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                                                                                                                                                                                                                                                          Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64203 Length: 39 February 4, 2005 13:19 Type: P Check: 9519 Found using 'seq4' (mohamed337.key)
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aab64204 ; Exendin agonist, SEQ ID NO:24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 14; Fig 1B; 133pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAB64204 standard; peptide; 39 AA.
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(AMYL-) AMYLIN PHARM INC.
                                                                                           Prickett KS;
                                                                                                                                                                                  WPI; 2001-137634/14
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TOIG of: aab64204 c
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                                                                                           Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessamia, polycytheamia, byporalcaemia, hypomagnessamia, polycytheamia, canchin sure peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for an exendin agonists and in the mewborn. They have a contraind of feet on hyper and in the members and thus do not cross the placent and thus do not and a member of the canchin and in the member of the compounds used to treat type 2 diabetes, which are contraindicated for an exendin agonists of the member and thus and exendin and exendin and allowed allowed and allowed and allowed and allowed allowed and allowed allowed allowed and allowed allowed allowed allowed and allowed allo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exandin agonist of the invention which is based upon the sequence of exendin-4
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Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLXIEWLKNGGPSSGAPPPS
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aab64205; Exendin agonist, SEQ ID NO:25.
(from seq4ags.pep")
TOIG of: aab64205 check: 9790 from: 1
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07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

07-DEC-2000.

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive caesuch as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abbornalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 16; Fig 1B; 133pp; English.
23-MAY-2000; 2000WO-US014231.
                                                                                                   99US-00323867.
                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        especially in a human.
                                                                                                                                                                                                                                                                                                                 Prickett KS;
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                                                                                                         01-JUN-1999;
                                                                                                                                                                                                                                                                                                                            Hiles R,
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AAB64205 Length: 39 February 4, 2005 13:19 Type: P Check: 9790 Found using 'seq4' (mohamed337.key) |-----| HQBGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS

to: 39 check: 9351 from: 1 match found in sequence: aab64206 ; Exendin agonist, SEQ ID NO:26 (from "seq4ags.pep") TOIG of: aab64206 o

Exendin agonist, SEQ ID NO:26. 27-MAR-2001 (first entry) AAB64206;

AAB64206 standard; peptide; 39 AA.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

Heloderma suspectum Synthetic.

WO200073331-A2.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypochaclaemia, hypomagnessemia, polycythaemia, hyporaclaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, AAB64206 Length: 39 February 4, 2005 13:19 Type: P Check: 9351 Found using 'seq4' (mohamed337.key) from: 1 to: 39 HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGPSSGAPPPS aab64207 ; Exendin agonist, SEQ ID NO:27. Example 17; Fig 1B; 133pp; English. check: 135 especially in a human. 1 match found in sequence: WPI; 2001-137634/14. (from "seq4ags.pep") TOIG of: aab64207 Sequence 39 AA; Hiles R,

AAB64207 standard; peptide; 39 AA Exendin agonist, SEQ ID NO:27. 27-MAR-2001 (first entry) AAB64207;

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creating agonist (AAB64185-B64368) for treating gestational diabetes exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, can such as hypoglycaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit per compounds used to treat type 2 diabetes, which are contraindicated for the gone and expected for the grounds used to treat type 2 diabetes, which are contraindicated for the grounds used to treat type 2 diabetes, which are contraindicated for the grounds used to treat type 2 diabetes, which are contraindicated for the grounds used to treat type 2 diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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(from "seq4ags.pep")
TOIG of: aab64208 check: 9696 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 18; Fig 1B; 133pp; English.
                                                                                                                                                                                          99US-00323867
                                                                                                                                    23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                   Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
                            WO200073331-A2
                                                                                                                                                                                          01-JUN-1999;
                                                                               07-DEC-2000,
                                                                                                                                                                                                                                                                                                   Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, ind subjections of the Gila monster Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

23-MAY-2000; 2000WO-US014231.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; Example 19; Fig 1B; 133pp; English.

especially in a human.

WPI; 2001-137634/14.

homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 39 AA;

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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;
AAB64208 Length: 39 February 4, 2005 13:19 Type: P Check: 9696
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                             to: 39
                                                            |-----HGEGTFTSDLSKQLEEEAVRLPXEFLKNGGPSSGAPPPS
                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aab64209 check: 9766 from: 1
                                                                                                                                                                      ; Exendin agonist, SEQ ID NO:29
                                                                                                                                                                                                                                                 AAB64209 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                              Exendin agonist, SEQ ID NO:29.
                                                                                                                                                                                                                                                                                                                         27-MAR-2001 (first entry)
                                                                                                                                               match found in sequence:
                                                                                                                                                                                                                                                                                    AAB64209;
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:28.

(first entry)

27-MAR-2001

AAB64208;

to: 39

check: 9696 from: 1

AAB64208 standard; peptide; 39 AA

07-DEC-2000.

Hiles R,

Synthetic

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cendin agonist (AAB64185-B64368) for treating gestational diabetes exendin agonist (AAB64185-B64368) for treating gestational diabetes cendin agonist (AAB64185-B64368) for treating pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GMD pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cessarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube complications in the secretion increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomanessemia, polycythaemia, hyporalcaemia, polycythaemia, cervity secretions of the Glla monster compounds used to treat whe salivary secretions of the Glla monster compounds used to treat type 2 diabetes, which are contrainfacted for compounds used to treat type 2 diabetes, which are contrainfacted for compounds used to treat type 2 diabetes, which are populated for compounds used to treat type 2 diabetes, which are contrainfacted for compounds used to treat type 2 diabetes, which are contrainfacted for compounds used by footonged hypoglycaemia in the newborn. They have a contrainfacted for compounds and effect on blood glucose, and, unlike the insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the present sequence represents a exendin
Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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HGEGTFTSDLSKQMEEEAVRLPIEFLKNGGPSSGAPPPS
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ab64211; Exendin agonist, SEQ ID NO:31.
[from "seq43gs.ppp"]
TOIG of: aab64211 check: 926 from: 1
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                                                                                                                                                                                                                                                                                                                                    23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                           99US-00323867
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 especially in a human.
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                                                                                                                               Heloderma suspectum
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                                                                                                                                                                                                                 WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-1999;
                                                                                                                                                                                                                                                                          07-DEC-2000.
                                                                                                                                                             Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hiles R,
            exxxex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GMM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin rescretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, polycralcaemia, phyporaplicaemia, polycralcaemia, hypocalcaemia, polycralcaemia, hypocalcaemia, polycralcaemia, hypocalcaemia, polycralcaemia, hypocalcaemia, polycralcaemia, compounds are peptides from the salivary secretions of the Gila monster (exendin-3) and the Mexican beaded lizara (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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                     insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aab64210 ; Exendin agonist, SEQ ID NO:30.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 20; Fig 1B; 133pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-137634/14.
                                                                           Heloderma suspectum
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TOIG of: aab64210
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to: 39

AAB64210;

XBXBXBX

Fri Feb

27-MAR-2001 (first entry)

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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes melitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-3) which are peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                         Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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aab64212; Exendin agonist, SEQ ID NO:32.
[from "seq4ags.pep"]
TOIG of: aab64212 check: 678 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 22; Fig 1B; 133pp; English.
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Exendin agonist, SEQ ID NO:31.
                                                                                                                                                                                                                                                                                                      23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                                                         Heloderma suspectum
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                                                                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a normal pregnancy, both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as newral tube defects, and is associated with an increased risk of neonatal morbidites such as hypoplycaemia, hypocaphosemia, polycraclaemia, po
                                                                                                Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
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HGEGTFTSDLSKQMEEEAVRLPIEWLKNGGPSSGAXXXS
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alb64213; Exendin agonist, SEQ ID NO:33.
(from "seq4649s.pep")
TOIG of: aab64213 check: 926 from: 1
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                                                    Exendin agonist, SEQ ID NO:32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       99US-00323867.
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                                                                                                                                                                                                            Heloderma suspectum
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                                                                                                                                                                                                                                     Synthetic.
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS; WPI; 2001-137634/14.

Exendin agonist, SEQ ID NO:34.

27-MAR-2001 (first entry)

AAB64214;

AAB64214 standard; peptide; 39 AA.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mellitus (GDM) in a patient. GDM arises during pregnancy, both includes (GDM) in a patient. GDM arises and a diminished ability to combination of increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive cassociates such as pre-eclampsia, and urinary tract infections. GDM regults in an elevated rate of focal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnasemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The pascent sequence represents a exendin-3 emptying and reduce appetite. The pascent sequence of exendin-4 empty should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The pascent sequence represents a exendin-3 emptying and reduce appetite. The pascent sequence of exendin-4.
                                                                                                                                                                                                                                                                                   Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
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                                                                                                                                                                                                Exendin agonist, SEQ ID NO:33.
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                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Heloderma suspectum.
Synthetic.
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AAB64213;
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exendins or exendin agonists for lowering or reducing blood plevels and treating gestational diabetes mellitus in a subject,

Example 25; Fig 1B; 133pp; English.

glucose levels and tree especially in a human.

Use of

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin pregnancy, and is due to a combination of increased insulin secretion increase. Guminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and adminished ability to combination of increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rate of foctal abnormalities such as neural tuber results in an elevated rate of foctal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites cauch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, chyporalcaemia, hypomagnesaemia, polycythaemia, chyporalcaemia, hypomagnesaemia, polycythaemia, chypomagnesaemia, polycythaemia, chypomology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraindicated for potent and prolonged effect on blood glucose, and, unlike conventional contrains and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin contrains particular. They have a subsulin the represent sequence represents a exendin-
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HGEGTFTSDLSKQMEBEAVRLPIEWLKNGGPSSGAXXXS
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aab64215 ; Exendin agonist, SEQ ID NO:35.
(from "seq4ags.pep")
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to: 39

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check: 678

(from "seq4ags.pep") TOIG of: aab64214 o

1 match found in sequence: aab64214 ; Exendin agonist, SEQ ID NO:34.

HGEGTFTSDLSKQMEEBAVRLPIEWLKNGGXSSGAXXXS

```
to: 39
 from: 1
check: 487
TOIG of: aab64215
```

4 14:12:16 2005

Fri Feb

AAB64215 standard; peptide; 39 AA.

AAB64215;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:35.

insulin resistance; Exendin agonist; gestational diabetes mellitus; GDM, insulin resistance pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 26; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a function secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal unorbidites such as hypoglycaenia, hyporagnessemia, polycythaemia, particularly GLP-1, and have similar insulincropic effects, unlike the components and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-1

Sequence 39 AA;

AAB64215 Length: 39 February 4, 2005 13:19 Type: P Check: 487 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGXSSGAXXXS

1 match found in sequence:

```
to: 39
aab64216 ; Exendin agonist, SEQ ID NO:36.
                                   from: 1
                                   check: 487
                  (from "seq4ags.pep")
TOIG of: aab64216 o
```

AAB64216 standard; peptide; 39

AAB64216;

27-MAR-2001

Exendin agonist, SEQ ID NO:36.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

99US-00323867.

01-JUN-1999;

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 27; Fig 1B; 133pp; English.

exendin agonist (AAB64185-B648) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to excendination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mether and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetual abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypotaliniubinaemia, and subsequent childhood and adolascent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 39 AA;

AAB64216 Length: 39 February 4, 2005 13:19 Type: P Check: 487 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGXSSGAXXXS

Page 100

4 14:12:16 2005

Fri Feb

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to: 39
. match found in sequence:
aab64217; Exendin agonist, SEQ ID NO:37.
(from "seq4ags.pep")
(TOO of: aab64217 check: 7660 from: 1
                                                                                                                                                                                                                              Example 28; Fig 1B; 133pp; English.
                              AAB64217 standard; peptide; 39 AA
                                                                Exendin agonist, SEQ ID NO:37.
                                                                                                                                              23-MAY-2000; 2000WO-US014231.
                                                                                                                                                         99US-00323867.
                                                     (first entry)
                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                Prickett KS;
                                                                                                                                                                                                                    especially in a human.
                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                     Heloderma suspectum.
                                                                                                                      WO200073331-A2
                                                                                                                                                         01-JUN-1999;
                                                     27-MAR-2001
                                                                                                                                  07-DEC-2000
                                                                                                           Synthetic.
                                          AAB64217;
                                                                                                                                                                                Hiles R,
                              8XCCCCCCCCCCCCCCCCCCX
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AAB64217 Length: 39 February 4, 2005 13:19 Type: P Check: 7660 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

The invention relates to the use of an exentin (Arberlar's) or an exendin agonist (AAB64185-B64366) for treating gestational diabetes candination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of menatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalitubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat bype 2 diabetes, which are contraindiated for GDM, exendins and exendin agoniats do not cross the placenta and thus do not cause severe prolonged fifet on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 and convention which is based upon the sequence of exendin-4 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, The invention relates to the use of an exendin (AAB64181-B64182) or an

28

(from "seq4ags.pep")
TOIG of: aab64218 check: 8125 from: 1 aab64218 ; Exendin agonist, SEQ ID NO:38 1 match found in sequence:

to: 39

AAB64218 standard; peptide; 39 AA

AAB64218;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:38.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 29; Fig 1B; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes candinated by a patient. Obb arises during pregnancy, and is due to a combination of increased insulin secretion increase. Obby pregnancies are insulin resistance and insulin secretion increase. Obby pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rate of foetal abnormalities such as neural tube casociated with an increased risk of neonatal women casociated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, casociated with an increased risk of neonatal morbidites such as peptides from the salivary secretions of the Gila monster candin-4) and the Maxican beaded lizard (exendin-3) which severily members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinorropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind the analy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence of exendin-4 employed paresent sequence of exendin-4 employed paresents and expension which is based upon the sequence of exendin-4.

Sequence 39 AA;

AAB64218 Length: 39 February 4, 2005 13:19 Type: P Check: 8125 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLPIEWLKNGGASSGAAAAS

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HGEGTFTSDLSKOMEEEAVRLPIEWLKNGGPSSGAAAAS
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to: 39 from: 1 aab64219 ; Exendin agonist, SEQ ID NO:39 check: 7221 1 match found in sequence: (from "seq4ags.pep" TOIG of: aab64219

AAB64219 standard; peptide; 39 AA.

AAB64219;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:39.

Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 30; Fig 1B; 133pp; English

The INVENTION FLATERS to the use of an exemular (Arborator, or an exemular agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of menatal morbidites cauch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyposlycaemia, hypomagnessemia, polycythaemia, captides from the Salivary secretions of the Gila monster (exendin 4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for compounds used feter on blood glucose, and, unlike conventional content the rapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-compound to the pagent of the invention which is based upon the sequence of exendin-4 The invention relates to the use of an exendin (AAB64181-B64182) or an

AAB64219 Length: 39 February 4, 2005 13:19 Type: P Check: 7221

Sequence 39 AA;

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HGEGTFTSDLSKQLEEEAVRLPIEFLKNGGASSGAAAAS
Found using 'seq4' (mohamed337.key)
```

1 match found in sequence:
aab64220; Exendin-4 (1-28)-amide, SEQ ID NO:40.
(from "seq4ags.pep")
TOIG Of: aab54220 check: 700 from: 1 to: 28

AAB64220 standard; peptide; 28

AAB64220;

27-MAR-2001 (first entry)

Exendin-4 (1-28)-amide, SEQ ID NO:40.

Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Claim 13; Page 13; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistence and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive alsorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypomagnessemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes; which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a specifically claimed exendin agonist, which is based upon the sequence of exendin-4

g

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specifically claimed exendin agonist, which is based upon the sequence of
  ន្តដ្ឋនូ
                                                                                                                                                                                                    Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a
                       AAB64220 Length: 28 February 4, 2005 13:19 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
                                                                                                             . match found in sequence:
ads64221; [Leu 14, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:41.
(from "seq4ags.pep")
TOIG of: aab64221 check: 261 from: 1 to: 28
                                                                                                                                                                                                                                    [Leu 14, Phe 25] - exendin-4 (1-28) amide, SEQ ID NO:41.
                                                                                                                                                                    AAB64221 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 13; Page 13; 133pp; English
                                                         |------|
HGEGTFTSDLSKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                     99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                    Heloderma suspectum.
   Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                      WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                           07-DEC-2000.
                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hiles R,
                                                                                                                                                                                          AAB64221;
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

concernation of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of cassarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, hyporalcaemia, hypomagnessemia, polycythaemia, carendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                      AAB64221 Length: 28 February 4, 2005 13:19 Type: PFound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aab64222 ; Exemdin agonist, SEQ ID NO:42.
[from "seq4ags.pep")
TOIG of: aab6422 check: 249 from: 1 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64222 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                      HGEGTFTSDLSKQLEEBAVRLFIBFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist, SEQ ID NO:42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99US-00323867.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-137634/14.
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                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200073331-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-MAR-2001
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exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB64222;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hiles R,
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potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-8888888

Sequence 28 AA;

AAB64222 Length: 28 February 4, 2005 13:19 Type: P Check: 249 Found using 'seq4' (mohamed337.key)

HAEGTFTSDLSKQLEBEAVRLFIEFLKN 1

to: match found in sequence: aab64223 ; Exendin agonist, SEQ ID NO:43. check: 166 from: 1 (from "seq4ags.pep") TOIG of: aab64223 c

AAB64223 standard; peptide; 28 AA.

28

AAB64223;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:43.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 36; Page 48; 133pp; English.

exendin agonist (AAB64185-BEA1368) for treating gestational diabetes
mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancies are
associated with complications in both the mother and the foetus. Women
with GDM have increased rates of Cessarian delivery, hypertensive
clisorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated with an increased risk of neonatal morbidites
defects, and is associated with an increased risk of neonatal morbidites
cyperbilirubinaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obssity.
Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
chomology with several members of the glucagon-like peptide family,
particularly GLP-1, and have similar insulinotropic effects. Unlike the
compounds used to treat type 2 diabetes, which are contraindicated for The invention relates to the use of an exendin (AAB64181-B64182) or an

GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 8888888888

Sequence 28 AA;

AAB64223 Length: 28 February 4, 2005 13:19 Type: P. Check: 166 Found using '8eq4' (mohamed337.key)

:

|------| HGEGAFTSDLSKQLEBEAVRLFIBFLKN 1

<u>ب</u> L match found in sequence:
abb64224; Exendin agonist, SEQ ID NO:44.
(from "seq49s.pep")
TOIG of: aab64224 check: 231 from: 1 1 match

28

AAB64224 standard; peptide; 28 AA

AAB64224;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:44.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 37; Page 48; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes mailitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gesearian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Glla monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, seq4 ags.res

particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional linulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

888888888888

Sequence 28 AA;

AAB64224 Length: 28 February 4, 2005 13:19 Type: P Check: 231 Found using 'seq4' (mohamed337.key)

HGEGTATSDLSKQLEEEAVRLFIEFLKN 1

check: 117 from: 1 to: aab64225; Exendin agonist, SEQ ID NO:45. (from "seq4ags.pep") TOIG of: aab64225 check: 117 from: 1 1 match found in sequence:

58

AAB64225 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:45. 27-MAR-2001 (first entry) AAB64225;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 38; Page 49; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitum (GDM) in a parient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both with GDM have increased rates of Caesarian delivery, Mypertensive with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of feetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster

(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 888888888888

Sequence 28 AA;

AAB64225 Length: 28 February 4, 2005 13:19 Type: P Check: 117 Found using '8eq4' (mohamed337.key)

HGEGTFTADLSKOLEEEAVRLFIEFLKN

from: 1 to: 28 ID NO:46. aab64226 ; Exendin agonist, SEQ check: 151 1 match found in sequence: (from "seq4ags.pep") TOIG of: aab64226

AAB64226 standard; peptide; 28 AA AAB64226;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:46.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum, Synthetic.

WO200073331-A2.

07-DEC-2000,

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-NUL-1099;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 39; Page 49; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,

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hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
          8866666666666688888
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Sequence 28 AA;

Check: 151 AAB64226 Length: 28 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

HGEGTFTSDASKQLEEEAVRLFIEFLKN

to: 28 . match found in sequence: aab64227 ; Exendin agonist, SEQ ID NO:47. check: 63 from: 1 (from "seq4ags.pep") TOIG of: aab64227 c

AAB64227 standard; peptide; 28 AA 27-MAR-2001 (first entry) AAB64227;

Exendin agonist, SEQ ID NO:47.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator; pregnancy complication; neonatal abno insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, The invention relates to the use of an exendin (AAB64181-B64182) or an Example 40; Page 50; 133pp; English. especially in a human.

exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube

such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a and is associated with an increased risk of neonatal morbidites potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 88888888888888888888888888

Sequence 28 AA;

AAB64227 Length: 28 February 4, 2005 13:19 Type: P Check: 63 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLAKQLEEBAVRLFIEFLKN

from: 1 to: 28 1 match found in sequence:
abb64228; Exendin agonist, SEQ ID NO:48.
(from "seq-dags.pep")
TOIG of: aab64228 check: 141 from: 1

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AAB64228 standard; peptide; 28

AAB64228;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:48.

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator, insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 41; Page 50; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive

with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, hypomagnesaemia, polycythaemia, can be peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists of onct cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the present sequence represents a exendin-4

AAB64229 Length: 28 February 4, 2005 13:19 Type: P Check: 53 Found using 'seq4' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSDLSKALEEEAVRLFIEFLKN

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results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists de not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional in the applying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
pre-eclampsia, and urinary tract infections. GDM
                                                                                                                                                                                                                                                                                                                               28 February 4, 2005 13:19 Type: P Check: 141 (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aab64229 ; Exendin agonist, SEQ ID NO:49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64229 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSAQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist, SEQ ID NO:49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                   AAB64228 Length: 28
Found using 'seq4' (mo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seg4ags.pep")
TOIG of: aab64229
                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64188-B64386) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to
                                                                                                                                                                                           Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                            28
                                          from: 1 to:
           aab64230 ; Exendin agonist, SEQ ID NO:50. (from "seq4ags.pep")
TOIG of: aab64230 check: 107 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 43; Page 51; 133pp; English.
                                                                        AAB64230 standard; peptide; 28 AA
                                                                                                                                                                  Exendin agonist, SEQ ID NO:50.
                                                                                                                                                                                                                                                                                                                                                               23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                             99US-00323867
                                                                                                                                  27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hiles R, Prickett KS;
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found in sequence:
                                                                                                                                                                                                                                                          Heloderma suspectum
                                                                                                                                                                                                                                                                                                     WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                             01-JUN-1099;
                                                                                                                                                                                                                                                                                                                                 07-DEC-2000.
                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                      AAB64230;
1 match
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are

exendins or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject,

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Example 42; Page 51; 133pp; English.

especially in a human.

Use of

seq4_ags.res

increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDW pregnancies are associated with complications in both the mother and the foctus. Women with GDW have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDW results in an elevated rate of foetal abnormalities such as neural tubes defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycytheemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects, Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 \$

Sequence 28 AA;

AAB64230 Length: 28 February 4, 2005 13:19 Type: P Check: 107 Found using 'seq4' (mohamed337.key)

|------| HGEGTFTSDLSKQAEBEAVRLFIEFLKN 1

match found in sequence: aab64231 ; Exendin agonist, SEQ ID NO:51. check: 201 from: 1 (from "seq4ags.pep") TOIG of: aab64231 c

AAB64231 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:51. 27-MAR-2001 (first entry) AAB64231;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

99US-00323867. 01-JUN-1999;

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

Example 45; Page 52; 133pp; English.

especially in a human.

WPI; 2001-137634/14.

Example 44; Page 52; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes

mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hyperensive Glasorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperblitubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GIP-1, and have similar insulinotropic effects. Unlike the compunds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for contraindicated for cot cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional contraints and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. AAB64231 Length: 28 February 4, 2005 13:19 Type: P Check: 201 Found using 'seq4' (mohamed337.key) to: 28 aab64232 ; Exendin agonist, SEQ ID NO:52. (from "seq4ags.pep") TOIG of: aab64232 check: 197 from: 1 AAB64232 standard; peptide; 28 AA. |-----| HGEGTFTSDLSKQLAEEAVRLFIEFLKN 28 Exendin agonist, SEQ ID NO:52. 99US-00323867. 23-MAY-2000; 2000WO-US014231. 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; 1 match found in sequence: Heloderma suspectum Sequence 28 AA; WO200073331-A2. 01-JUN-1999; 07-DEC-2000. Synthetic. AAB64232; Example 46; Page 53; 133pp; English.

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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancy both with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, hypomagnessemia, polycythaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, cand the serior candina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lisard (exendin-3) which exhibit compounds used to treat type 2 diabetes, when he serior and the several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, when a particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes. Which are contraindicated for the grand the dark that and the wearding and execute and the dark that and the maximum contrains an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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TOIG of: aab64233 check: 193 from: 1
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB64232 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett KS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200073331-A2
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating pregnancy, and is due to a mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive casociated with as pre-eclampsia, and unimary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocaclacemia, hypomagnesaemia, polycythaemia, hypocaclacemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family. Compounds used to treat type 2 diabetes, which are contraindicated for particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglyceemia in the newborn. They have a contraindicated effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-3 empired agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood
glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist, gestational diabetes mellitus, GDM, insulin resistanc
pregnancy complication, neonatal abnormality, blood glucose modulator,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAB64233 Length: 28 February 4, 2005 13:19 Type: P Check: 193 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . match found in sequence:
aab64234 ; Exendin agonist, SEQ ID NO:54.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQLEEAAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist, SEQ ID NO:54.
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TOIG of: aab64234 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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The invention relates to the use of an exendin (Arabetlas Parial) or an exendin agoniet (Aabstals Parials) or increase insulin secretion. In contrast, in a normal pregnancy, both increase insulin secretion in contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of monatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hypoglycaemia, hyposequent childhood and adolescent obesity.

Caecadin are peptides from the salivary secretions of the Gila monster (exendin are peptides from the salivary secretions of the Gila monster (exendin 4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for CGDW, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a compound not cause weight gain, as they inhibit gastric emptying and reduce appetite. The paresent sequence represents a exendin cemptying and reduce appetite. The passed upon the sequence of exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                        invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAB64234 Length: 28 February 4, 2005 13:19 Type: P Check: 9862 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 9921 from: 1
                                               Example 47; Page 53; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . match found in sequence:
aab64235; Exendin agonist, SEQ ID NO:55.
(from "seq4ags.pep")
(TOIG of: aab64235 check: 9921 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27-MAR-2001 (first entry)
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especially in a human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200073331-A2
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£X8X666666666666666666666666666666666888
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes medilitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive consoluts in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites coult as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64235 Length: 28 February 4, 2005 13:19 Type: P Check: 9921 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
aab64236 ; Exendin agonist, SEQ ID NO:56.
                                                                                   Example 48; Page 54; 133pp; English
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                       glucose levels and tre
especially in a human.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
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TOIG of: aab64236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200073331-A2.
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combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated arte of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulintropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDW, exendins and exendin agonists of onct cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulint therapy, should not cause weight gain, as they inhibit gastric amptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                           Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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                                                                                                                                                                                   Example 49; Page 54; 133pp; English
                                                                                                                       especially in a human.
WPI; 2001-137634/14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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HGEGTFTSDLSKQLEEEAVRAFIEFLKN

1 match found in sequence:
ab54237; Exendin agoniet, SEQ ID NO:57.
(from "seq4ags.pep")
TOIG Of: aab54237 check: 165 from: 1 to: 28

AAB64237 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:57. 27-MAR-2001 (first entry) AAB64237;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

07-DEC-2000.

WO200073331-A2.

23-MAY-2000; 2000WO-US014231 99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin some exercise the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                  Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                             Example 50; Page 55; 133pp; English
Prickett KS;
Hiles R,
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AAB64237 Length: 28 February 4, 2005 13:19 Type: P Check: 165 Found using 'seq4' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSDLSKQLEEEAVRLFIAFLKN 28

I match found in sequence:

(from "seq4ags.pep") TOIG of: aab64238 check: 136 from: 1 to: 28 aab64238 ; Exendin agonist, SEQ ID NO:58. AAB64238 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:58. 27-MAR-2001 (first entry) AAB64238;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. 23-MAY-2000; 2000WO-US014231. Heloderma suspectum. WO200073331-A2. 07-DEC-2000. Synthetic.

99US-00323867.

01-JUN-1999;

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Exendin agonist (AAB64185-B64368) for treating gestational diabetes

exendin agonist (AAB64185-B64368) for treating gestational diabetes

combination of increased insulin resistance and a diminished ability to

combination of increased insulin secretion. In contrast, in a normal pregnancy, both

increase insulin secretion. In contrast, in a normal pregnancy, both

compliance insulin secretion increase. GMy pregnancies are

associated with complications in both the mother and the foetus. Women

with GDM have increased rates of Caesarian delivery, hypertensive

calsorders such as pre-eclampsia, and urinary tract infections. GDM

cresults in an elevated rate of foetal abnormalities such as neural tube

compounds as pycoglycaemia, hypomagnessemia, polycythaemia,

hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster

compounds used to the Mexican beaded lizard (exendin:3) which exhibit

homology with several members of the glucagon-like peptide family,

compounds used to treat type 2 diabetes, which are contraindicated for

GDM, exendins and exendin agonists do not cross the placenta and thus do

contain and prolonged effect on blood glucose, and, unlike conventional

insulin therapy, should not cause weight gain, as they inhibit gastric

compounts to the invention which is based upon the sequence of exendin-4

compounts of the invention which is based upon the sequence
                                                                                                                                                                                                                                                                                                                 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 51; Page 55; 133pp; English
(AMYL-) AMYLIN PHARM INC.
                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                  especially in a human.
                                                                                                                                                                                                           WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
                                                                                                           Hiles R,
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February 4, 2005 13:19 Type: P Check: 136 AAB64238 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEERAVRLFIEALKN 1

. match found in sequence:
abb64239; Exendin agonist, SEQ ID NO:59.
(from "seq46429gs.pep, TOIG of: aab64229 check: 9975 from: 1

to: 28

AAB64239 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:59. 27-MAR-2001 (first entry) AAB64239;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

07-DEC-2000.

WO200073331-A2

23-MAY-2000; 2000WO-US014231.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes canding living (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive calsorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal annormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycychaemia, homology with several members of the glucagon-like peptide family, particularly GLP-1, and have semilar insulinocropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite the pases the placente and exendin-gonist of the invention which is based upon Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 52; Page 56; 133pp; English. 99US-00323867. (AMYL-) AMYLIN PHARM INC. especially in a human. Prickett KS; WPI; 2001-137634/14. 01-JUN-1999; Hiles R,

AAB64239 Length: 28 February 4, 2005 13:19 Type: P Check: 9975 Found using 'seq4' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSDLSKQLEEEAVRLFIEFAKN

to: 28 aab64240 ; Exendin agonist, SEQ ID NO:60.
(from "seq4ags.pep")
TOIG of: aab64240 check: 9991 from: 1 AAB64240 standard; peptide; 28 AA 1 match found in sequence:

27-MAR-2001 (first entry) AAB64240;

Exendin agonist, SEQ ID NO:60.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

07-DEC-2000.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC Hiles R, Prickett KS;

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporalcania, in increased risk of neonatal morbidites such as hypoglycaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the sallvary secretions of the cila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists of once contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists on out cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional infully the present sequence represents a exendin emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                               Use of exendins or exendin agonists for lowering or reducing blood
glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                     Example 53; Page 56; 133pp; English
23-MAY-2000; 2000WO-US014231.
                                                 01-JUN-1999; 99US-00323867
                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                           Prickett KS;
                                                                                                                                                                                                                                                                                                                   especially in a human.
                                                                                                                                                                                                             WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                           Hiles R,
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AAB64240 Length: 28 February 4, 2005 13:19 Type: P Check: 9991 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLAN

to: 28 check: 9897 from: 1 1 match found in sequence:
aab64241; Exendin agonist, SEQ ID NO:61.
[from "seq4ags.ppp"]
TOIG OF: aab64241 check: 9897 from: 1

AAB64241 standard; peptide; 28 AA Exendin agonist, SEQ ID NO:61. 27-MAR-2001 (first entry) AAB64241;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and adminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Cassarian delivery, hypertensive casults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as supportanced value in increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, polycythaemia, companial adolescent obesity.

CC desendin are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists of onct cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin constitution which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. Example 54; Page 57; 133pp; English. WPI; 2001-137634/14. Sequence 28 AA;

AAB64241 Length: 28 February 4, 2005 13:19 Type: P Check: 9897 Found using 'seq4' (mohamed337.key) HGEGTFTSDLSKQLEEBAVRLFIEFLKA

to: 38 from: 1 AAB64242 standard; peptide; 38 AA check: 6333 27-MAR-2001 (first entry) (from "seq4ags.pep") TOIG of: aab64242 AAB64242;

1 match found in sequence: aab64242 ; Exendin agonist, SEQ ID NO:62.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:62.

Heloderma suspectum.

Synthetic

seq4_ags.res

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS; WPI; 2001-137634/14.

23-MAY-2000; 2000WO-US014231

WO200073331-A2

Synthetic.

07-DEC-2000.

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combination (Abb64185-Borne use of an execution (Abb641818) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Cesearian delivery, hypertensive cashorises uch as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities unch as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, candins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contraind not cause severe prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The passed upon the sequence of exendin-4 emptying and reduce appetite. The based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                              Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 55; Page 57; 133pp; English.
                                                                                                 23-MAY-2000; 2000WO-US014231
                                                                                                                                                       99US-00323867
                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                             Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                    especially in a human.
                                                                                                                                                                                                                                                                                                           WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 38 AA;
WO200073331-A2
                                                                                                                                                       01-JUN-1999;
                                                   07-DEC-2000
                                                                                                                                                                                                                                                             Hiles R,
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AAB64242 Length: 38 February 4, 2005 13:19 Type: P Check: 6333 Found using 'seq4' (mohamed337.key) HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP

to: 38 from: 1 L match found in sequence:
abb64243; Exendin agonist, SEQ ID NO:63.
(from "seq4ags.pep")
TOIG of: aab64243 check: 5894 from: 1 AAB64243 standard; peptide; 38 AA. Exendin agonist, SEQ ID NO:63. (first entry) 27-MAR-2001 AAB64243; SXXXXXXXXXXXXXX

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Exendin agonist, SEQ ID NO:64.

Heloderma suspectum

exendin agonist (AAB64185-B64368) for treating gestational diabetes

exendin agonist (AAB64185-B64368) for treating gestational diabetes

malitude (GDM) in a patient. GDM arises during pregnancy, and is due to a
combination of increased insulin secretion increase. GDM pregnancies are
increase insulin secretion. In contrast, in a normal pregnancy, both
cincrease insulin secretion increase. GDM pregnancies are
associated with complications in both the mother and the foctus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
consolutes in an elevated rate of foctal anormalities such as neural tube
calcults in an elevated rate of foctal anormalities such as neural tube
calcults in an elevated rate of foctal anormalities such as neural tube
caects, and is associated with an increased risk of neonatal morbidites
control as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,
hyperbilirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the Gila monster
compounds used to Mexican beaded lizard (exendin-3) which exhibit
homology with several members of the glucagon-like peptide family,
particularly GLP-1, and have similar insulinocropic effects. Unlike the
compounds used to treat type 2 diabetes, which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
content and prolonged effect on blood glucose, and, unlike conventional
insulin therapy, should not cause weight gain, as they inhibit gastric
emptying and reduce appetite. The present sequence of exendin-4
compounds to the invention which is based upon the sequence of exendin-4 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, AAB64243 Length: 38 February 4, 2005 13:19 Type: P Check: 5894 Found using 'seq4' (mohamed337.key) to: 37 |-----| HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP ambed found in sequence:
amb64244; Exendin agonist, SEQ ID NO:64.
(From "seq4ags.pep")
TOIG of: amb64244 check: 3293 from: 1 Example 56; Page 58; 133pp; English AAB64244 standard; peptide; 37 AA 27-MAR-2001 (first entry) especially in a human. Sequence 38 AA; AAB64244;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes maillius (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive caesoriates such as pre-eclampsia, and urinary tract infections GDM results in an elevated rate of foelal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, cauch as hypoglycaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placents and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional consult therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The pareent sequence of exendin-quoint is based upon the sequence of exendin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance;
                                                                                                                                                                                                                                                                                                                                                                               Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAB64244 Length: 37 February 4, 2005 13:19 Type: P Check: 3293 Found using 'seq4' (mohamed337.key)
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aab64245 ; Exendin agonist, SEQ ID NO:65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 57; Page 58; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAB64245 standard; peptide; 37 AA.
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                                                                                                                                                                    23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                              especially in a human.
                                                                                                                                                                                                                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                               WPI; 2001-137634/14.
                      Heloderma suspectum.
Synthetic.
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TOIG of: aab64245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 37 AA;
                                                                                     WO200073331-A2
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                                                                                                                                                                                                                                                                                                       Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tuber results in an elevated rate of foetal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocalcaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, hypomagnessemia, polycythaemia, chypomagnessemia, polycythaemia, polyc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GDM, exending and exendin groinets do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB64245 Length: 37 February 4, 2005 13:19 Type: P Check: 2854 Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
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abb64246; Exendin agonist, SEQ ID NO:66.
(arch seq4ags.pop")
TOIG Of: aabb64246 check: 333 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 58; Page 59; 133pp; English.
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                                                                                                                                                                                                                                                                                                     23-MAY-2000; 2000WO-US014231
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                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-137634/14.
                                                                                                   Heloderma suspectum
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                                                                                                                                                                                        WO200073331-A2.
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                                                                                                                                                                                                                                                  07-DEC-2000
                                                                                                                                  Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hiles R,
            EXXXXX
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                        Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                        Example 59; Page 59; 133pp; English
                                                                                                           99US-00323867.
                                                                                            23-MAY-2000; 2000WO-US014231
                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                         Prickett KS;
                                                                                                                                                                                        especially in a human.
                                                                                                                                                         WPI; 2001-137634/14.
                                     Heloderma suspectum
Synthetic.
                                                            WO200073331-A2
                                                                                                           01-JUN-1999;
                                                                            07-DEC-2000
                                                                                                                                         Hiles R,
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The condition relates by the contracting described by the condition of increased insulin resistance and a diminished ability to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendina a peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GEP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for contraind against a subsequent and thus do not cross the placent and thus do not cross the placent and thus do not cross the grave severe prolonged hypoglycaemia in the newborn. They have a contraindicated for a cause severe prolonged hypoglycaemia in the heavent. potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 36 AA;

Check: 333 2005 13:19 Type: P AAB64246 Length: 36 February 4, Found using 'seq4' (mohamed337.key

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP

36 t0: . match found in sequence:
aab64247; Exendin agonist, SEQ ID NO:67.
(from "seq4ags.pep")
TOIG of: aab64247 check: 9894 from: 1

27-MAR-2001 (first entry) #XXXE

AAB64247 standard; peptide;

Exendin agonist, SEQ ID NO:67.

exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; inclination; and an account of the control insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

01-JUN-1999;

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 60; Page 60; 133pp; English

Combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin resistance and a diminished ability to combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancises are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypolycaemia, hypocalcaemia, hypocalcaemia, populations, GDM result intubinamia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for CMM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypodylycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional compounds and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 36 AA;

AAB64247 Length: 36 February 4, 2005 13:19 Type: P Check: 9894 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP

to: 35 . match found in sequence:
aab64248; Exendin agonist, SEQ ID NO:68.
(from "seq4ags.pep")
TOIG of: aab64248 check: 7453 from: 1

AAB64248 standard; peptide; 35 AA

AAB64248; a x x

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-clampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                  Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolascent obseity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 61; Page 60; 133pp; English
                                                           Exendin agonist, SEQ ID NO:68.
                                                                                                                                                                                                                                                                                                                                                   23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                                                                                                                                              99US-00323867
                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                        AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                                                                                                              Heloderma suspectum
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                                                                                                                                                                                                                                                              WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-1999;
                    27-MAR-2001
                                                                                                                                                                                                                                                                                                          07-DEC-2000.
                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hiles R,
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AAB64248 Length: 35 February 4, 2005 13:19 Type: P Check: 7453 ound using 'seq4' (mohamed337.key)
                                        Found using 'seq4'
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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
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to: 35

check: 7014 from: 1

aab64249 ; Exendin agonist, SEQ ID NO:69

(from "seq4ags.pep" TOIG of: aab64249

1 match found in sequence:

Exendin agonist, SEQ ID NO:69. 27-MAR-2001 (first entry) AAB64249;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 19661-NUT-10

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 62; Page 61; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocapusesemia, polycythaemia, polycythaemia, hypocapusesemia, polycythaemia,
Sequence 35 AA;

2005 13:19 Type: P Check: 7014 AAB64249 Length: 35 February 4, Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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to: 34
. match found in sequence:
aab64250; Exendin agonist, SEQ ID NO:70.
(from "seq4ags.pep")
(TOIG of: aab64250 check: 5178 from: 1
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AAB64249 standard; peptide; 35 AA. U,

34 ; to:

AAB64251 standard; peptide; 34 AA.

check: 4739

(from "seq4ags.pep") TOIG of: aab64251 c

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic, anorectic, exendin-4.

Heloderma suspectum.

Synthetic.

WO200073331-A2.

07-DEC-2000.

Exendin agonist, SEQ ID NO:71.

(first entry)

27-MAR-2001

AAB64251;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM series during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin increase. GDM pregnancies are associated with complications in both the mother and the focus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of focat abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycychaemia, hypothirubinaemia, and subsequent childhood and adolescent obesity. Benedina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GiP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             insulinotropic; anorectic; exendin-4.
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AAB64250 standard; peptide; 34 AA.
                                                                                                                                                                                                                                                                                            Exendin agonist, SEQ ID NO:70.
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                                                                                                                                                                                       27-MAR-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200073331-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
                                                                                                AAB64250;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; '2001-137634/14.

23-MAY-2000; 2000WO-US014231.

Example 64; Page 62; 133pp; English

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

AAB64250 Length: 34 February 4, 2005 13:19 Type: P Check: 5178 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG

1 match found in sequence: aab64251 ; Exendin agonist, SEQ ID NO:71.

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocralcaemia, polycocalcaemia, hypocrances in patients in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-3) and the Mexican beaded lizard (exendin-3) which exhibit compony with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compony used to treat type 2 diabetes, which are contraindicated for componing used to treat type 2 diabetes, and, unlike conventional content and prolonged effect on blood glucaes, and, unlike conventional content and prolonged effect on blood glucaes, and, unlike conventional contention which is based upon the sequence represents a exendin engevite invention which is based upon the sequence of exendin-4 AAB64251 Length: 34 February 4, 2005 13:19 Type: P Check: 4739 Found using 'seq4' (mohamed337.key) Sequence 34 AA;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin.agonist (AAB64185-B64368) for treating gestational diabetes mellitus (CDM) in a patient. CDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocralcaemia, hypocralcaemia, polycythaemia, plypycrhaemia, polycythaemia, hyporaguseamia, polycythaemia, hyporaguseamia, polycythaemia, hyporaguseamia, polycythaemia, payerbilitubinaemia, and subsequent childhood and adolescent obseity. Exendins are peptides from the salivary secretions of the Gila monster the monitor and more services and the more of the control of the co
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                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
                                                                                      to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 65; Page 62; 133pp; English
                   aab64252; Exendin agonist, SEQ ID NO:72.
(from "seq4ags.pep")
TOIG of: aab64252 check: 2764 from: 1
                                                                                                                                                   AAB64252 standard; peptide; 33 AA.
                                                                                                                                                                                                                                                                                                                                    Exendin agonist, SEQ ID NO:72.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                                                                       27-MAR-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-137634/14.
match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Heloderma suspectum
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200073331-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                AAB64252;
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AAB64252 Length: 33 February 4, 2005 13:19 Type: P Check: 2764 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKOMEEBAVRLFIEWLKNGGPSS
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Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                        Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                        to: 33
                        from: 1
1 match found in sequence:
aab64253 ; Exendin agonist, SEQ ID NO:73.
(from "seq4ags.pep")
TOIG Of: aab64253 check: 2325 from: 1
                                        AAB64253 standard; peptide; 33 AA
                                                                                           Exendin agonist, SEQ ID NO:73.
                                                                                                                                                                                                        23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                                                        99US-00323867.
                                                                            27-MAR-2001 (first entry)
                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                            especially in a human.
                                                                                                                                                                                                                                                           Hiles R, Prickett KS;
                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                                                               Heloderma suspectum.
                                                                                                                                                                         WO200073331-A2.
                                                                                                                                                                                                                          01-JUN-1999;
                                                                                                                                                                                         07-DEC-2000.
                                                                                                                                                       Synthetic.
                                                           AAB64253;
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casaarian delivery, hypertensive consults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, conspections and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the G11a monster consolounds used to treat type 2 diabetes, which are contrainfaired family, particularly GLP-1, and have similar insulinotropic effects unlike the compounds used to treat type 2 diabetes, which are contrainfaired for compounds used to treat type 2 diabetes, which are contrainfaired for compounds used to treat type 2 diabetes, which are contrainfaired for compounds used to treat type 2 diabetes, which are contrainfaired for compounds used to treat type 2 diabetes, which are contrainfaired for compounds used fefect on blood glucose, and, unlike gratric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4 and property should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence of exendin-4 empty.

Example 66; Page 63; 133pp; English.

Sequence 33 AA;

AAB64253 Length: 33 February 4, 2005 13:19 Type: P Check: 2325 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
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to: 32 . match found in sequence:
aab64254; Exendin agonist, SEQ ID NO:74.
(ffrom "seq4ags.pep")
TOIG of: aab64254 check: 25 from: 1 t

AAB64254 standard; peptide; 32 AA

AAB64254;

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:74.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

WPI; 2001-137634/14.

Hiles R, Prickett KS;

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 67; Page 63; 133pp; English.

combination relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to insulin resistance and a diminished ability to insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancies are associated with Complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated arte of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hypomagnesemia, polycythaemia, hyporalcaemia, hypomagnesemia, polycythaemia, porticularly GLP-1, and have similar insulinotropic effects, Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4

Sequence 32 AA;

AAB64254 iength: 32 February 4, 2005 13:19 Type: P Check: 25 Found using 'seq4' (mohamed337.key)

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|------|
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPS
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to: 32 1 match found in sequence:
aab64255; Exendin agonist, SEQ ID NO:75.
(from "sequencepp")
TOIG Of: aab64255 check: 9586 from: 1

AAB64255 standard; peptide; 32 AA

AAB64255;

(first entry) 27-MAR-2001

Exendin agonist, SEQ ID NO:75.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 68; Page 64; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes melitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancis are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycramaia, on subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-1) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compony with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compony used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniets do not cross the placenta and thus do not cause severe prolonged hypodycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin engonist of the invention which is based upon the sequence of exendin-4

Sequence 32 AA;

seq4_ags.res

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AAB64255 Length: 32 February 4, 2005 13:19 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPS

from: 1 1 match found in sequence:
ab54256; Exendin agonist, SEQ ID NO:76.
[from "seq4ags.pep"]
TOIG Of: aab54256 check: 7369 from: 1

to: 31

AAB64256 standard; peptide; 31 AA. Exendin agonist, SEQ ID NO:76. 27-MAR-2001 (first entry) AAB64256;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 69; Page 64; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes combinations of increased insulin pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancy, both increase insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM regulates in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with increased risk of neonatal morbidites such as hypoplycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycoalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycoalcaemia, hypomagnesaemia, polycoalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycoalcaemia, hypomagnesaemia, polycaemia, hypomagnesaemia, polycoalcaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polycaemia, hypomagnesaemia, polycaemia, hypomagnesaemia, polycaemia, hypomagnesaemia, polycaemia, hypomagnesaemia, polycaemia, polycaemia, polycaemia, polycaemia, polycaemia, polycaemia, polycaemia, polycaemia, polycaemia and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-4

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AAB64256 Length: 31 February 4, 2005 13:19 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
Sequence 31 AA;
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to: 31 check: 6930 from: 1 match found in sequence:
aab64257; Exendin agonist, SEQ ID NO:77.
(from "seq48428; pop")
TOIG of: aab64257 check: 6930 from: 1

AAB64257 standard; peptide; 31 AA

AAB64257;

27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:77.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 70; Page 64; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDW) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the feetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM ceptical in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, conto as several morbidites from the salivary secretions of the Gila monster contounds are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional content and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin

SXS

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-ediampsia, and unimary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cross the placent and thus accordin agonists do not cross the placent and thus do not not blood glucose, and, unlike conventional Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. agonist of the invention which is based upon the sequence of exendin-4 AAB64257 Length: 31 Pebruary 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key) to: 30 from: 1 Example 71; Page 65; 133pp; English. 1 match found in sequence: aab64258 ; Exendin agonist, SEQ ID NO:78 AAB64258 standard; peptide; 30 AA. HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGP Exendin agonist, SEQ ID NO:78. 23-MAY-2000; 2000WO-US014231. 99US-00323867. (from "seq4ags.pep") TOIG of: aab64258 check: 4450 (first entry) (AMYL-) AMYLIN PHARM INC. Prickett KS; WPI; 2001-137634/14. Heloderma suspectum Sequence 31 AA; WO200073331-A2. 01-JUN-1999; 27-MAR-2001 07-DEC-2000 Synthetic. Hiles R,

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitius (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gessarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM cresults in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, cresults are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for CMP, exendins and exendin agonists do not cross the placenta and thus do
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                    AAB64258 Length: 30 February 4, 2005 13:19 Type: P Check: 4450 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                 to: 29
                                                                                                                                                                                                                                                                                                                                               check: 2759 from: 1
                                                                                                                                                                                                                                                                                   1 match found in sequence:
aab64259; Exendin agonist, SEQ ID NO:79.
(from "seq4ags.pep")
TOIG of: aab64259 check: 2759 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 72; Page 65; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                         AAB64259 standard; peptide; 29 AA
                                                                                                                                                                                      |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist, SEQ ID NO:79.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-MAY-2000; 2000WO-US014231.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hiles R, Prickett KS;
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                                                                                Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200073331-A2.
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not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
      88888888
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Sequence 29 AA;

AAB64259 Length: 29 February 4, 2005 13:19 Type: P Check: 2759 ound using 'seq4' (mohamed337.key) HGEGTFTSDLSKOMEEEAVRLFIEWLKNG Found using 'seg4'

to: 29 1 match found in sequence:
aab64260 ; Exendin agonist, SEQ ID NO:80.
(from "seq4ags.pep") check: 2320 from: 1 TOIG of: aab64260

AAB64260 standard; peptide; 29 AA

Exendin agonist, SEQ ID NO:80. 27-MAR-2001 (first entry) AAB64260;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 73; Page 66; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancy, both with GDM have increased finsulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB6418-B64568) for treating greatational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are sesociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM cesults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporabilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Glia monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gaetric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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                                                                                                                                                                                                                          AAB64260 Length: 29 February 4, 2005 13:19 Type: P Check: 2320 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 38
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                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aab64261 ; Exendin agonist, SEQ ID NO:81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAB64261 standard; peptide; 38 AA
                                                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKOLEEEAVRLFIEFLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist, SEQ ID NO:81.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 7221
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma suspectum
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TOIG of: aab64261 c
                                                                                                                                                                                    Sequence 29 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200073331-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAB64261;
                                                                                                                                                                                                                                                                                                                                                                                                     1 match
         88888888
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homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-
      88888888888888
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Sequence 38 AA;

AAB64261 Length: 38 February 4, 2005 13:19 Type: P Check: 7221 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAXXX

to: 38 l match found in sequence:
aab64262; Exendin agonist, SEQ ID NO:82.
(from "seq4ags.pep")
TOIG of: aab64262 check: 7221 from: 1

AAB64262 standard; peptide; 38 AA. (first entry) 27-MAR-2001 AAB64262;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:82.

Heloderma suspectum

Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 75; Page 67; 133pp; English. especially in a human

exendin agonist (AAB64185-B64186) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistence and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Casearian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. The invention relates to the use of an exendin (AAB64181-B64182) or an

Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional linsulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 38 AA; 888888888888888

AAB64262 Length: 38 February 4, 2005 13:19 Type: P Check: 7221 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAXXX

to: 37 match found in sequence:
4 Exemination agonist, SEQ ID NO:83.
4 Efrom "seq4dags.pep")
TOIG of: aab64263 check: 2828 from: 1 AAB64263 standard; peptide; 37 AA AAB64263;

Exendin agonist, SEQ ID NO:83 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867, 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 76; Page 67; 133pp; English.

exendin agonist (AAB64185-B64186) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites The invention relates to the use of an exendin (AAB64181-B64182) or an

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such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperblirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
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Sequence 37 AA;

AAB64263 Length: 37 February 4, 2005 13:19 Type: P Check: 2828 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGASSGAPP

to: 37 (from "seq4ags.pep")
TOIG of: aab64264 check: 1733 from: 1 match found in sequence: aab64264 ; Exendin agonist, SEQ ID NO:84

AAB64264 standard; peptide; 37 AA. AAB64264;

Exendin agonist, SEQ ID NO:84. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum. Synthetic.

WO200073331-A2

07-DEC-2000.

99US-00323867. 01-JUN-1999;

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a parlient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 77; Page 68; 133pp; English. glucose levels and tree especially in a human.

defects, and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites such as hypogalycaemia, hypomagnesemia, polycytheamia, hypomagnesemia, polycytheamia, hypomagnesemia, polycytheamia, hypomagnesemia, polycytheamia, hypomagnesemia, polycytheamia, not be made in the childhood and adolescent obesity. Exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 37 AA; 88888888888888888888888888888888 AAB64264 Length: 37 February 4, 2005 13:19 Type: P Check: 1733 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGASSGAAA

to: 37 aab64265; Exendin agonist, SEQ ID NO:85. (from "seq4ags.pep")
TOIG of: aab64265 check: 4125 from: 1 1 match found in sequence:

AAB64265;

AAB64265 standard; peptide; 37 AA.

27-MAR-2001 (first entry)

Exendin agonist, SEQ ID NO:85.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 78; Page 68; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64183-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women

```
disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnesaemia, polycythaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, hypomagnesa
GDM have increased rates of Caesarian delivery, hypertensive
```

Sequence 37 AA;

AAB64265 Length: 37 February 4, 2005 13:19 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXX

36 ;; aab64266 ; Exendin agonist, SEQ ID NO:86.
(from "seq4ags.pep")
TOIG of: aab64266 check: 869 from: 1 match found in sequence:

AAB64266 standard; peptide; 36 AA (first entry) 27-MAR-2001 AAB64266;

Exendin agonist, SEQ ID NO:86.

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS;

Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 79; Page 69; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased inulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to

Example 80; Page 69; 133pp; English.

especially in a human.

with GDM have increased rates of Caesarian delivery, hypertensive disorders when a pre-eclampsia, and urinary tract infections. GDM much as pre-eclampsia, and urinary tract infections. GDM disorders when a pre-eclampsia, and urinary tract infections. GDM centls in an elevated rate of focatal abnormalities such as neural tuber defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaenia, hypocapleasemia, polycaenia, polycaenia, hyporapeasemia, polycythaenia, particularly GLP-1, and have similar insulinctropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agoniste 8 not cross the placenta and thus do not cause severe prolonged hypoglycaenia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-agonist of the invention which is based upon the sequence of exendin-4 Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, insulin resistance and insulin secretion increase. GDM pregnancies are AAB64266 Length: 36 February 4, 2005 13:19 Type: P Check: 869 Found using 'seq4' (mohamed337.key) to: 35 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAX insulinotropic; anorectic; exendin-4. (from "seq4ags.pep") TOIG of: aab64267 check: 7463 from: 1 found in sequence: 57 ; Exendin agonist, SEQ ID NO:87. AAB64267 standard; peptide; 35 AA Exendin agonist, SEQ ID NO:87. 23-MAY-2000; 2000WO-US014231. 99US-00323867. 27-MAR-2001 (first entry) (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; WPI; 2001-137634/14. Heloderma suspectum WO200073331-A2. Sequence 36 AA; 01-JUN-1999; 07-DEC-2000. Synthetic AAB64267; aab64267 match 8886666666666666666666888

combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both a sociated with complications in both the mother and the foetus. Women with cDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyporaglisemia, polycoalcaemia, hypomagnessemia, polycythaemia, powersyl members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a popting and reduce appetite gain, as they inhibit gastric emptying and reduce appetite. The present sequence representin emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 35 AA;

AAB64267 Length: 35 February 4, 2005 13:19 Type: P Check: 7463 Found using 'seq4' (mohamed337.key)

RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA

to: 30 1 match found in sequence:
aab64268; Exendin agonist, SEQ ID NO:88.
(from "seq4ags.pep")
TOIG Of: aab64268 check: 4886 from: 1

AAB64268 standard; peptide; 30 AA 27-MAR-2001 (first entry) AAB64268;

gonist; gestational diabetes mellitus; GDM; insulin resistance; complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist; pregnancy

Exendin agonist, SEQ ID NO:88.

Heloderma suspectum Synthetic.

WO200073331-A2.

07-DEC-2000

99US-00323867 01-JUN-1999;

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 81; Page 70; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an

combination of increased insulin resistance and a diminished ability to increase insulin section. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both cinsulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Gaesarian delivery, hypertensive disorders such as pre-clampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cuch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporaloraemia, and subsequent childhood and adolescent obesity.

Cauch as hypoglycaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, chyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gilm monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placents and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a contrainding and reduce appetite. The present sequence represents a exendin cappuist of the invention which is based upon the sequence of exendin-4 exendin agonist (AAB64185-B64368) for treating gestational diabetes

AAB64268 Length: 30 February 4, 2005 13:19 Type: P Check: 4886 Found using 'seq4' (mohamed337.key)

Sequence 30 AA;

HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG

match found in sequence:
abb64269; Exemin agonist, SEQ ID NO:89.
(from seq4dags.pep)
TOIG of: aab64269 check: 369 from: 1 AAB64269 standard; peptide; 28 AA AAB64269;

to: 28

Exendin agonist, SEQ ID NO:89. 27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867. 101-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS;

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 82; Page 70; 133pp; English

Example 83; Page 71; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes malitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal worbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polychhaemia, polychhaemia, hypomagnesaemia, polychhaemia, polychaemia, polychaemi Sequence 28 AA;

AAB64269 Length: 28 February 4, 2005 13:19 Type: P Check: 369 Found using 'seq4' (mohamed337.key)

HGEGTXTSDLSKQLEEEAVRLFIEFLKN

. match found in sequence: aab64270; Exendin agonist, SEQ ID NO:90. (from "seq4ags.pep") TOIG of: aab64270 check: 693 from: 1

check: 693 from: 1 to: 28 AAB64270 standard; peptide; 28 AA.

Exendin agonist, SEQ ID NO:90. (first entry) 27-MAR-2001 AAB64270;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

27-MAR-2001 (first entry)

AAB64271;

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

exendins or exendin agonists for lowering or reducing blood e levels and treating gestational diabetes mellitus in a subject, glucose levels and tre especially in a human. Use of

Use of exendins or exendin agonists for lowering or reducing blood

WPI; 2001-137634/14.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mallitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive (GISOAGERS such as pre-eclampsia, and unfinary tract infections. GDM regulates and is associated with an increased risk of neonatal tube defects, and is associated with an increased risk of neonatal morbidites und as pypoglycaemia, hypocalcaemia, hypomagnasemia, polycythaemia, hypomagnasemia, polycythaemia, hypomagnasemia, polycythaemia, hypomagnasemia, polycythaemia, hypomagnasemia, polycythaemia, chyperblirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster of exendin-4) and the Maxican beaded lizard (exendin-4) and the Maxican beaded lizard (exendin-3) which several members of the glucagon-like peptide family. Compounds used to treat type 2 diabetes, which are contrainficated for compounds used to treat type 2 diabetes, which are contrainficated for CDDW, exendins and exendin agonists do not cross the placents and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a coptent and prolonged hypoglycaemia in the newborn. They have a not one trapy, should not cause wight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin emptying and reduce appetite. The present sequence of exendin-AAB64270 Length: 28 February 4, 2005 13:19 Type: P Check: 693 Found using 'seq4' (mohamed337.key) 58 ij aab64271 ; Exendin agonist, SEQ ID NO:91. (from "seq4ags.pep") TOIG of: aab64271 check: 701 from: 1 AAB64271 standard; peptide; 28 AA. HGEGTFSSDLSKQMEEEAVRLFIEWLKN 1 match found in sequence: Sequence 28 AA;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:91. 23-MAY-2000; 2000WO-US014231. 99US-00323867. (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; Heloderma suspectum WO200073331-A2 01-JUN-1999; 07-DEC-2000. Synthetic.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes combination of increased insulin resistance and a diminished ability to combination of increased insulin secretion increase. GDM pregnancies are insulin resistance and a diminished ability to increase insulin secretion increase. GDM pregnancies are sesociated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of Caesarian delivery, hypertensive results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cusults as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporaplirubinaemia, and subsequent childhood and adolescent obesity.

Exendina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lisard (exendin-3) which exhibit to particularly GLP-1, and have similar insulincropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional content and reduce appetite. The present sequence represents a exendin employing and reduce appetite. The present sequence represents a exendin exendin which is based upon the sequence of exendin-4). glucose levels and treating gestational diabetes mellitus in a subject, especially in a human. Example 84; Page 71; 133pp; English

Sequence 28 AA;

AAB64271 Length: 28 February 4, 2005 13:19 Type: P Check: 701 Found using 'seq4' (mohamed337.key)

HGEGTFSTDLSKQMEEEAVRLFIEWLKN

1 match found in sequence:
aab64272; Exendin agonist, SEQ ID NO:92.
(from "seq4ags.pep")
TOIG of: aab64272 check: 649 from: 1

28 ; ;

> AAB64272 standard; peptide; 28 AA. Exendin agonist, SEQ ID NO:92. 27-MAR-2001 (first entry) AAB64272;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867. 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC

Prickett KS; Hiles R,

WPI; 2001-137634/14.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporalcamia, polycocalcaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polycythaemia, hypomagnesaemia, polychaemia, polychaemia, hypomagnesaemia, polychaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemia, hypomagnesaemia, polychaemi Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 85; Page 72; 133pp; English especially in a human.

AAB64272 Length: 28 February 4, 2005 13:19 Type: P Check: 649 Found using 'seq4' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSELSKQMAEEAVRLFIEWLKN

1 match found in sequence:

aab64273; Exendin agonist, SEQ ID NO:93.
(from "seq4ags.pep")
TOIG of: aab64273 check: 381 from: 1 to: 28 AAB64273 standard; peptide; 28 AA. 27-MAR-2001 (first entry) AAB64273;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Exendin agonist, SEQ ID NO:93

Heloderma suspectum. Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, Example 86; Page 72; 133pp; English especially in a human. WPI; 2001-137634/14.

cxendin agonist (AAB64185-B64368) for treating gestational diabetes
exendin agonist (AAB64185-B64368) for treating pregnancy, and is due to
combination of increased insulin resistence and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy both
insulin resistence and insulin secretion increase. GND pregnancies are
associated with complications in both the mother and the foctus. Women
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foctal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia,
hyperblirubinaemia, and subsequent childhood and adolescent obesity.
Exendins are peptides from the salivary secretions of the Gila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
homology with several members of the glucagon-like peptide family,
particularly GLP-1, and have similar insulintropic effects. Unlike the
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used to treat type 2 diabetes, which are contraindicated for
compounds used effect on blood glucose, and, unlike conventional
content and prolonged effect on blood glucose, and, unlike conventional
content and reduce appetite. The present sequence represents a exendin
agonist of the invention which is based upon the sequence of exendin-4
cemptying and reduce appetite. The present sequence of exendin-4

Sequence 28 AA;

AAB64273 Length: 28 February 4, 2005 13:19 Type: P Check: 381 Found using 'seq4' (mohamed337.key)

HGEGTFTSDXSKQLEEEAVRLFIEFLKN 1

match found in sequence: aab64274 ; Exendin agonist, SEQ ID NO:94.

check: 657 from: 1 to: 28 AAB64274 standard; peptide; 28 AA "seq4ags.pep" TOIG of: aab64274 (from

27-MAR-2001 (first entry) AAB64274;

Exendin agonist, SEQ ID NO:94.

Exendin agonist, gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic.

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 11-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human

Example 87; Page 73; 133pp; English.

compination feature to the use of an executal (Arbeitels of an executal (Arbeitels COM) in a patient GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with compilcations in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM essults in an elevated rate of foetal abnormalities such as neural mubes of sects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and addelscent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin adaptive severed prolonged hypodycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional cause severe prolonged effect on blood glucose, and, unlike conventional emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4 The invention relates to the use of an exendin (AAB64181-B64182) or an

Sequence 28 AA;

AAB64274 Length: 28 February 4, 2005 13:19 Type: P Check: 657 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLXIEFLKN

to: 28 1 match found in sequence: aab64275 ; Exendin agonist, SEQ ID NO:95. check: 1045 from: 1 (from "seq4ags.pep" TOIG of: aab64275

AAB64275 standard; peptide; 28 AA AAB64275;

Exendin agonist, SEQ ID NO:95.

27-MAR-2001 (first entry)

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic

07-DEC-2000.

WO200073331-A2

23-MAY-2000; 2000WO-US014231.

99US-00323867. 01-JUN-1999;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candin agonist (AAB64185-B64368) for treating gestational diabetes cendinus (GDM) in a patient. GDM arises during pregnancy, and is due to combination of increased insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and unimary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites uch as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, chypcrallirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Gila monster of exendina, and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-4) and the Mexican beaded lizard (exendin-3) which several members of the glucagon-like peptide family, homology with several members of the glucagon-like peptide family, compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emprying and reduce appetite. The present sequence represents a exendin-3 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                          exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                           Example 88; Page 73; 133pp; English.
                       (AMYL-) AMYLIN PHARM INC.
                                                                                 Prickett KS;
                                                                                                                                                                                                                                                       especially in a human.
                                                                                                                                  WPI; 2001-137634/14.
                                                                                 Hiles R,
                                                                                                                                                                                                                             glucose
                                                                                                                                                                                                Jse of
```

Sequence 28 AA;

AAB64275 Length: 28 February 4, 2005 13:19 Type: P Check: 1045 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEBEAVRLFXEWLKN

1 match found in sequence: aab64276 ; Exendin agonist, SEQ ID NO:96. from: 1 check: 237 (from "seq4ags.pep") TOIG of: aab64276 c

AAB64276 standard; peptide; 28 AA.

t0:

Exendin agonist, SEQ ID NO:96. (first entry) 27-MAR-2001 AAB64276;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2

07-DEC-2000

23-MAY-2000; 2000WO-US014231.

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 89; Page 74; 133pp; English

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient (GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites cusults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocralosemia, polycoralosemia, conventions. GDM captilirubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit to particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cause severe prolonged hypodlycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4

Sequence 28 AA;

AAB64276 Length: 28 February 4, 2005 13:19 Type: P Check: 237 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIDFLKN

to: match found in sequence: aab64277 ; Exendin agonist, SEQ ID NO:97. check: 2215 from: 1 AAB64277 standard; peptide; 33 AA 27-MAR-2001 (first entry) (from "seq4ags.pep") TOIG of: aab64277 o AAB64277;

33

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Exendin agonist, SEQ ID NO:97.

WO200073331-A2 Synthetic.

07-DEC-2000

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes candinus in patient. GDM arises during pregnancy, and is due to a combination of increase dinculin resistence and a diminished ability to increase insulin resistence and a diminished ability to increase insulin resistence and insulin secretion increase. GDM pregnancy, both insulin resistence and insulin secretion increase. GDM pregnancy, both and increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of Coetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesemia, polycythaemia, hyporallirubinaemia, and subsequent childhood and adolescent obesity.

Exendin-a supeptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinctropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for CDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged bypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin rherapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                              exendins or exendin agonists for lowering or reducing blood elevels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                          Example 90; Page 74; 133pp; English
                   23-MAY-2000; 2000WO-US014231
                                                                   99US-00323867
                                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                 Prickett KS;
                                                                                                                                                                                                                                                                                                          especially in a human.
                                                                                                                                                                                                              WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 33 AA;
                                                                01-JUN-1999;
                                                                                                                                                               Hiles R,
                                                                                                                                                                                                                                                                                         glucose
                                                                                                                                                                                                                                                                Use of
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AAB64277 Length: 33 February 4, 2005 13:19 Type: P Check: 2215 Found using 'seq4' (mohamed337.key)

HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS

aab64278; Exendin agonist, SEQ ID NO:98 (from "seq4ags.pep")
TOIG of: aab64278 check: 2649 from: 1 1 match found in sequence:

AAB64278 standard; peptide; 29 AA.

to: 29

Exendin agonist, SEQ ID NO:98. 27-MAR-2001 (first entry) AAB64278;

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum Synthetic

WO200073331-A2

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carendin agonist (AAB64185-B64366) for treating pestational diabetes
mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a
combination of increased insulin resistance and a diminished ability to
increase insulin secretion. In contrast, in a normal pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancy, both
insulin resistance and insulin secretion increase. GDM pregnancy,
with GDM have increased rates of Caesarian delivery, hypertensive
disorders such as pre-eclampsia, and urinary tract infections. GDM
results in an elevated rate of foetal abnormalities such as neural tube
defects, and is associated with an increased risk of neonatal morbidites
cuch as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia,
hyperblitudinaemia, and subsequent childhood and adolescent obseity.
Exendins are peptides from the salivary secretions of the Gila monster
(exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
homology with several members of the glucagon-like peptide family,
particularly GLP-1, and have similar insulinotropic effects. Unlike the
compounds used to treat type 2 diabetess which are contraindicated for
GDM, exendins and exendin agonists do not cross the placenta and thus do
not cause severe prolonged hypoglycaemia in the newborn. They have a
potent and prolonged effect on blood glucaes, and, unlike conventional
computing and reduce appetite. The present sequence represents a exendin
agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                   Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     February 4, 2005 13:19 Type: P Check: 2649
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     aab64279; Exendin agonist, SEQ ID NO:99. (from "seq4ags.pep")
TOIG of: aab64279 check: 4015 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 91; Page 75; 133pp; English
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HGEGTFTSDASKQMEEEAVRLFIEWLKNG
1
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Found using 'seg4' (mohamed337.key)
                                                                      23-MAY-2000; 2000WO-US014231.
                                                                                                                         99US-00323867
                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                      especially in a human.
                                                                                                                                                                                                                             Prickett KS;
                                                                                                                                                                                                                                                                                WPI; 2001-137634/14.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 29 AA;
                                                                                                                         01-JUN-1999;
                                                                                                                                                                                                                             Hiles R,
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AAB64279 standard; peptide; 37 AA 27-MAR-2001 (first entry) AAB64279; SSXXXXXXXXXXXXX

Exendin agonist; gestational diabetes mellitus, GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Heloderma suspectum.

Synthetic.

Exendin agonist, SEQ ID NO:99.

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cendin agonist (AAB64185-B64368) for treating preparator language combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Glum monster (exendin are peptides from the salivary secretions of the Glum monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GEP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence representin
                                                                                                                                                                                                                                                                                                                                                                                                     Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention relates to the use of an exendin (AAB64181-B64182) or an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      emptying and reduce appetite. The present sequence represents a exendinagonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         February 4, 2005 13:19 Type: P Check: 4015
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 92; Page 75; 133pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAB64279 Length: 37 February 4, ound using 'seq4' (mohamed337.key)
                                                                                                                                23-MAY-2000; 2000WO-US014231.
                                                                                                                                                                                    99US-00323867
                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       especially in a human.
                                                                                                                                                                                                                                                                                           Prickett KS;
                                                                                                                                                                                                                                                                                                                                                WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 37 AA;
                         WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Found using 'seq4'
                                                                                                                                                                                    11-JUN-1999;
                                                                           07-DEC-2000
                                                                                                                                                                                                                                                                                           Hiles R,
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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mochar and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive clasorders such as pre-clampsia, and urlnary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypomagnessemia, polycythaemia, hypomagnessemia, ceredinal monster (exendina are peptides from the salivary secretions of the Gila monster (exendina) and the Mexican beaded lizard (exendin-3) which exhibit compounds used to treat type 2 diabetes, which are contraindicated for compounds used to treat type 2 diabetes, which are contraindicated for contraint and such as a particularly GDP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for contraint and such as a period of cross the placent and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a protein and in the severe prolonged hypoglycaemia in the newborn. They have and the severe prolonged hypoglycaemia in the newborn. They howen and the severe prolonged hypoglycaemia in the memborn. They howen and the severe prolonged hypoglycaemia in the memborn.

potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendingonist of the invention which is based upon the sequence of exending.

Sequence 28 AA;

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

23-MAY-2000; 2000WO-US014231.

WO200073331-A2

Heloderma Synthetic. 07-DEC-2000

99US-00323867

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; Example 96; Page 78; 133pp; English.

especially in a human.

WPI; 2001-137634/14.

```
Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator;
AAB64281 Length: 28 February 4, 2005 13:19 Type: P Check: 249 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                 to: 28
                                                                                                                                                                                                   aab64285 ; Exendin agonist, SEQ ID NO:105.
                                                                                                                                                                                                                            (from "seq4ags.pep")
TOIG of: aab64285 check: 688 from: 1
                                                                                                                                                                                                                                                                                          AAB64285 standard; peptide; 28 AA
                                                                                       HGAGTFTSDLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist, SEQ ID NO:105.
                                                                                                                                                                                                                                                                                                                                                                                 27-MAR-2001 (first entry)
                                                                                                                                                                                found in sequence:
                                                                                                                                                                                                                                                                                                                                      AAB64285;
                                                                                                                                                                                match
                                                                                                                                                                                                                                                                                            Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                       to: 28
                                                                                                                                                            aab64281 ; Exendin agonist, SEQ ID NO:101.
                                                                                                                                                                                                       from: 1
                                                                                                                                                                                                                                                 AAB64281 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist, SEQ ID NO:101.
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check: 249

match found in sequence: "seq4ags.pep" of: aab64281

from

(first entry)

27-MAR-2001

AAB64281;

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyporablirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the dila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin aponists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                                                                                                                                                                          Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.
insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 100; Page 80; 133pp; English.
                                                                                                                                                                                                      23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                   99US-00323867
                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                              Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-137634/14.
                                          Heloderma suspectum
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                                                                                                           WO200073331-A2
                                                                                                                                                                                                                                                   01-JUN-1999;
                                                                                                                                                        07-DEC-2000.
                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                              Hiles R,
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Example 103; Page 81; 133pp; English.

AAB64285 Length: 28 February 4, 2005 13:19 Type: P Check: 688 Found using 'seq4' (mohamed337.key)

HGAGTFTSDLSKQMEEEAVRLFIEWLKN

<u>:</u> aab64288 ; Exendin agonist, SEQ ID NO:108. check: 590 from: 1 match found in sequence: (from "seq4ags.pep" TOIG of: aab64288

27-MAR-2001 (first entry)

AAB64288 standard; peptide; 28 AA.

Exendin agonist, SEQ ID NO:108 *******

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, 99US-00323867. 23-MAY-2000; 2000WO-US014231. (AMYL-) AMYLIN PHARM INC. Hiles R, Prickett KS; especially in a human. WPI; 2001-137634/14. Heloderma suspectum. Synthetic. WO200073331-A2 01-JUN-1999; 07-DEC-2000.

combination features to the use of an exeminal whose for an exeminal diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion in contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube disorders and is associated with an increased risk of meonatal morbidites such as hypoglycaemia, hypocangenemia, hypomagnessemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the salivary secretions of the Glid monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to tract type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional consultin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin-4 agonist of the invention which is based upon the sequence of exendin-4. invention relates to the use of an exendin (AAB64181-B64182) or an

AAB64288 Length: 28 February 4, 2005 13:19 Type: P Check: 590 Found using 'seq4' (mohamed337:key)

Sequence 28 AA;

match found in sequence: aab64348 ; Exendin agonist, SEQ ID NO:168. (from "seq4ags.pep") HGEGTFTSDASKOMEEEAVRLFIEWLKN

Ş AAB64348 standard; peptide; 38 AAB64348;

RXXXEX

38 ţ0:

from: 1

check: 5882

TOIG of: aab64348

27-MAR-2001 (first entry)

Exendin agonist, gestational diabetes mellitus, GDM, insulin resistance, pregnancy complication, neonatal abnormality, blood glucose modulator;

insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

23-MAY-2000; 2000WO-US014231.

(AMYL-) AMYLIN PHARM INC.

01-JUN-1999;

Hiles R, Prickett KS; WPI; 2001-137634/14.

Exendin agonist, SEQ ID NO:173.

27-MAR-2001 (first entry)

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The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64168) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin secretion increase. GDM pregnancies are secoiated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and uninary tract infections. GDM cresults in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnessemia, polycythaemia, hyperbiliruhiamemia, and subsequent childhood and adolescent obesity.

Exendins are peptides from the sallvary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregnancy, both insulin resistance and insulin increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Becandina are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for not cause severe prolonged diffect on or cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                      Exendin agonist, gestational diabetes mellitus, GDM; insulin resistance, pregnancy complication, neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 163; Page 111; 133pp; English.
Exendin agonist, SEQ ID NO:168.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         99US-00323867
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           especially in a human.
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                                                                                                                                                                        Heloderma suspectum
Synthetic.
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                                                                                                                                                                                                                                                             WO200073331-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JUN-1999;
                                                                                                                                                                                                                                                                                                                      07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

Example 168; Page 114; 133pp; English.

especially in a human.

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AAB64353 Length: 35 February 4, 2005 13:19 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                      32
                                                                                                                                                                                                                                                                                                                                        ;;
                                                                                                                                                      HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                                                  match found in sequence:
aab64357 ; Exendin agonist, SEQ ID NO:177.
                                                                                                                                                                                                                                                                                                           (from "seq4ags.pep")
TOIG of: aab64357 check: 9574 from: 1
                                                                                                                                                                                                                                                                                                                                                                                      AAB64357 standard; peptide; 32 AA
Sequence 35 AA;
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Ω×

to: 35

aab64353 ; Exendin agonist, SEQ ID NO:173.
(from "seq4ags.pep")
TOIG of: aab64353 check: 7002 from: 1

1 match found in sequence:

AAB64353 standard; peptide; 35 AA

AAB64353

HXXXX

HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPP

homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance; pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000.

Exendin agonist, SEQ ID NO:181

(first entry)

27-MAR-2001

AAB64361;

AAB64361 standard; peptide; 38 AA.

```
The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mellitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foctus. Women with GDM have increased rates of Caesarian delivery, hypertensive with GDM as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foctal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GDM, exending and exendin agonists do not cross the placenta and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional insulin therapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4
                                                                                                                                                                                                                                                                           Exendin agonist; gestational diabetes mellitus; GDM; insulin resistance;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      homology with several members of the glucagon-like peptide family, particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycythaemia, hyperbilirubinaemia, and subsequent childhood and adolescent obesity. Exendins are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit
                                                                                                                                                                                                                                                                                                                       pregnancy complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 172; Page 116; 133pp; English.
                                                                                                                                                                                   Exendin agonist, SEQ ID NO:177.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    23-MAY-2000; 2000WO-US014231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-00323867
                                                                                  27-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          especially in a human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-137634/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 32 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200073331-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
AAB64357;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hiles R,
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Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject,

99US-00323867.

01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Hiles R, Prickett KS; WPI; 2001-137634/14.

23-MAY-2000; 2000WO-US014231

invention relates to the use of an exendin (AAB64181-B64182) or an

Example 176; Page 118; 133pp; English.

especially in a human.

```
Type: P Check: 7457
                                                                                                                                                                                                                         AAB64361 Length: 38 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                   |----|
HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX
                                                                                                                                                                                                                                                    match found in sequence:
aab64365 ; Exendin agonist, SEQ ID NO:185.
(from "seq4ags.pep")
                                                                                                                                                                                                                 Sequence 38 AA;
```

AAB64357 Length: 32 February 4, 2005 13:19 Type: P Check: 9574

Found using 'seq4' (mohamed337.key)

38

(from "seq4ags.pep")
TOIG of: aab64361 check: 7457 from: 1 to:

1 match found in sequence: aab64361 ; Exendin agonist, SEQ ID NO:181.

HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPS

compounds used to treat the displaying pregrammory and is due to a mellitus (GDW) in a patient. GDM arises during pregramory, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin secretion. In contrast, in a normal pregramory, both insulin resistance and insulin secretion increase. GDM pregramory, both insulin resistance and insulin secretion increase. GDM pregramory women with GDM have increased rates of Caesarian delivery, hypertensive with GDM have increased rates of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hypocalcaemia, hypomagnesaemia, polycytheemia, hyperbilirubinemia, and subsequent childhood and adolescent obesity.

Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Mexican beaded lizard (exendin-3) which exhibit particularly GLP-1, and have similar insulinotropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placents and thus do not cause severe prolonged hypoglycaemia in the newborn. They have a potent and prolonged effect on blood glucose, and, unlike conventional cause severe prolonged effect on blood glucose, and, unlike conventional emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

to: 35 from: 1 check: 7441 TOIG of: aab64365

AAB64365 standard; peptide; 35 AA.

AAB64365;

(first entry) 27-MAR-2001 Exendin agonist, SEQ ID NO:185.

Exendin agonist;

gonst; gestational diabetes mellitus; GDM; insulin resistance; complication; neonatal abnormality; blood glucose modulator; insulinotropic; anorectic; exendin-4. pregnancy

Heloderma suspectum

Synthetic.

WO200073331-A2.

07-DEC-2000

23-MAY-2000; 2000WO-US014231

99US-00323867 01-JUN-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; Hiles R,

WPI; 2001-137634/14.

Use of exendins or exendin agonists for lowering or reducing blood glucose levels and treating gestational diabetes mellitus in a subject, especially in a human.

Example 180; Page 120; 133pp; English.

The invention relates to the use of an exendin (AAB64181-B64182) or an exendin agonist (AAB64185-B64368) for treating gestational diabetes mealitus (GDM) in a patient. GDM arises during pregnancy, and is due to a combination of increased insulin resistance and a diminished ability to increase insulin resistance and insulin secretion increase. GDM pregnancies are associated with complications in both the mother and the foetus. Women with GDM have increased rates of Caesarian delivery, hypertensive disorders such as pre-eclampsia, and urinary tract infections. GDM results in an elevated rate of foetal abnormalities such as neural tube defects, and is associated with an increased risk of neonatal morbidites such as hypoglycaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycozalcaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polychaemia, hyporagnessemia, polycythaemia, hyporagnessemia, polycozalcaemia, hyporagnessemia, polychaemia, hyperbilitubinaemia, and subsequent childhood and adolescent obesity. Exendine are peptides from the salivary secretions of the Gila monster (exendin-4) and the Maxican beaded lizard (exendin-3) which exhibit to particularly GLP-1, and have similar insulintropic effects. Unlike the compounds used to treat type 2 diabetes, which are contraindicated for GDM, exendins and exendin agonists do not cross the placent and prolonged effect on blood glucose, and, unlike conventional potent and prolonged effect on blood glucose, and, unlike conventional interapy, should not cause weight gain, as they inhibit gastric emptying and reduce appetite. The present sequence represents a exendin agonist of the invention which is based upon the sequence of exendin-4

Sequence 35 AA;

AAB64365 Length: 35 February 4, 2005 13:19 Type: P Check: 7441 Found using 'seq4' (mohamed337.key)

HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA

1 match found in sequence:

to: 44 aab69951 ; des Ser39-exendin-4(1-39)-(Lys)6~NH2. check: 5008 (from "seq4ags.pep") TOIG of: aab69951 c

AAB69951 standard; peptide; 44 AA

AAB69951;

(first entry) 02-MAY-2001 des Ser39-exendin-4(1-39)-(Lys)6-NH2.

antidiabetic; anorectic; Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anore antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393

12-JUL-1999;

99US-0143591P. 99EP-00610043. 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity and eating disorders. Novel evel

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position 50.00 or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-50) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-50) or GLP-1 (7-37) having a substituent of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic cubstituent, acid for Ala at position 8 and/or having a lipophilic cubstituent. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI)[RIS-C(G-D)-. RI and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, and phenyl and phenylmethyl are optionally cubstituted with 1-3 substituents as elected from Cl-6-alkyl, C2-6-alkmyl, and phenylmethyl are optionally council conjugate with the provise the C cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminoputanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminoputanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminoputanoic cyclopentyl ring, e.g. 2,4-diaminoputanoic cycloheptyl ring, e.g. 2,4-diaminoputanoic cyclopentyl ring, e.g.

Sequence 44 AA;

AAB69951 Length: 44 February 4, 2005 13:19 Type: P Check: 5008

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Found using 'seq4' (mohamed337.key)
```

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPKKKKKK

. match found in sequence: aab69952 ; des Pro36-exendin-4(1-39)-(Lys)6-NH2. check: 5122 from: 1 (from "seq4ags.pep") TOIG of: aab69952 cl

AAB69952 standard; peptide; 44 AA

AAB69952;

02-MAY-2001 (first entry)

des Pro36-exendin-4(1-39)-(Lys)6-NH2

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Larsen BD, Mikkelsen JD, Neve S;

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity level of blood glucos and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34.30 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GIP-1) (756) or GIP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
constituent, and Z, a peptide sequence of 4-20 amino acide covalently
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NHC(R1) (R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3
cubstituents selected from halogen, hydroxy, amino, cyano, nitro,
sulfono, and carboxy, and phenyl and phenylmethyl are optionally
cubstituent selected from halogen, hydroxy, amino, cyano, nitro,
sulfono, and carboxy, and phenyl and phenylmethyl are optionally
cubstituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alknyl,
cubstituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alknyl,
cubstituted with 1-3 substituents achected from C1-6-alkyl, C2-6-alknyl,
cubstituted with hydroxy, and phenylmethyl are optionally
cubstituted with he proviso that X is not exendin-4 or
cyclopentyl, cyclohexyl, or cycloheptyl int, es alt, or the C-terminal amide
cyclopentyl, cyclohexyl, or cycloheptyl in the manufacture of a
cyclopentyl, cyclohexyl, or cycloheptyl in the manufacture of a
cyclopentyl, spling disorder with the proviso that X is not exendin-3.
The peptide conjugate with the proviso that X is not exendin-3.
The peptide conjugate with the proviso that X is not exendin-3.
The peptide conjugate with the proviso that X is not exendin-4 or
exendin-3. The peptide conjugate with a useful in the manufacture of a
chabetes, insulin resistance syndrome, obesity, eating disorder.
Cc diabetes insulin resistance syndrome, obesity, eating disorder levels
creating disease states associated with elevated blood glucose lev

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catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin ralease, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
  8888888
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Sequence 44 AA;

Check: 5122 Type: P AAB69952 Length: 44 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKK

. match found in sequence: aab69953; des Ala35-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.pep") TOIG of: aab6953 check: 5647 from: 1 to: 44

to: 44

AAB69953 standard; peptide; 44 AA

02-MAY-2001 (first entry)

des Ala35-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

ŝ Neve Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (736) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
substituent, and Z, a peptide sequence of 4-20 amino acids covalently
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NHC(R1) (R2)-C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and
phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3
substituents selected from halogen, hydroxy, amino, cyano, nitro,
sulfono, and carboxy, and phenyl and phenylmethyl are optionally,
substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl,
R2, together with the carbon atom to which they are bound, form a
Cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic

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acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels elicited by hormones known to increase blood glucose levels elected in mines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
```

Sequence 44 AA;

AAB69953 Length: 44 February 4, 2005 13:19 Type: P Check: 5647 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPSKKKKK

1 match found in sequence:
aab69954 ; des Gly34-exendin-4(1-39)-(Lys)6-NH2.
(from seq4ags.pep") from: 1 check: 5443 TOIG of: aab69954

AAB69954 standard; peptide; 44 AA

AAB69954;

02-MAY-2001 (first entry)

des Gly34-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043. 12-JUL-1999;

09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Larsen BD, Mikkelsen JD, Neve S;

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-11ke peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-

CC(R1)(R2)-C(-0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 cubstituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, captoen, mino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cyclohetyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cyclohetyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide complete with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels creacehol maines including adresmal with elevated blood glucose levels catechol maines including adresmalin, glucocorticoide, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating mutalin release, for lowering plasma lipid level, and for reducing mortality after myocardial infarction 88888888888888888888888888888888

Sequence 44 AA;

AAB69954 Length: 44 February 4, 2005 13:19 Type: P Check: 5443 Found using 'seq4' (mohamed337.key)

|------| HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSAPPPSKKKKKK

aab69955; des Ser39-(Ly840(palmitoyl)exendin-4(1-39)-(Lys)7-NH2 to: 46 check: 1833 from: 1 AAB69955 standard; peptide; 46 AA match found in sequence: (from "seq4ags.pep") TOIG of: aab69955 cl AAB69955;

02-MAY-2001 (first entry)

des Ser39-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obsesty; insulin resistance syndrome; eating disorder; byperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X)

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exendin comprising 1-5 deletions at positions 34-39 or a Lyg at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-6) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-6) or GLP-1 (7-37) having a substituent, and 2 having a lipophilic substituent, and 2, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-C(E-D)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylenthyl are optionally a substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and C2 cyclopertyl, cycloheryl, cycloheryl, cycloheryl, cycloheryl, cycloheryl, cycloheryl, ring e.g. 2,4-diaminobutanoic acid and 2,3-diaminoptropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or the margentic of the peptide conjugate is useful in the manufacture of a characterical configuration for use in treatment of two 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, treating discasses in gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoide, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating mortality and morbidity after myocardial infarction
exendin at least 90 % homologous to exendin-4, a variant of
888888888888888888888888888888888
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Sequence 46 AA;

AAB69955 Length: 46 February 4, 2005 13:19 Type: P Check: 1833 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPKKKKKKK

aab69956 ; des Gly34-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2 check: 2268 from: 1 match found in sequence: n "seq4ags.pep") of: aab69956 c

AAB69956 standard; peptide; 46 AA. 02-MAY-2001 (first entry) AAB69956; D X D X B X B X B X B X S X X X X X X B X B X

des Gly34-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; insulin tesistance syndrome; eating disorder; hyperglycaemia; etabolic disorder; gastric disease; myccardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucse and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating mortality and morbidity after myocardial infarction

Sequence 46 AA;

Type: P Check: 2268 AAB69956 Length: 46 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSAPPPSKKKKKKKK

1 match found in sequence: aab69957 ; des Ala35-(Ly940(palmitoyl)exendin-4(1-39)-(Ly8)7-NH2. to: 46 check: 2472 from: 1 (from "seq4ags.pep") TOIG of: aab69957 c

AAB69957 standard; peptide; 46 AA

AAB69957;

02-MAY-2001 (first entry)

des Ala35-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

Fri Feb

Synthetic.

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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GIP-1) (7-36) or GIP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic cubstituent, and Z, a peptide sequence of 4-20 amino acids covalently cound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cC (RI) (R2)-C(=0)-. RI and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from Horoxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituent with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, caubstituent with the carbon atom to which they are bound, form a cyclopentyl, cyclopentyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic caid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cof the peptide conjugate is useful in the manufacture of a cycloheptyl caid or its salt, or the cype 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglacemia, metabolic disorders and gastric disease. It is useful for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglacemia, metabolic disorders and gastric disease. It is useful in reginal allowed places blood glucose levels, such as catechol maines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in registant plasma lipid level, and for reducing plasma lipid level, and for reducing plasma lipid level, and for reducing company or manufacturing p
                                                                                                                                                                                                                                                      Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                           Larsen BD, Mikkelsen JD, Neve S;
                                                                                                                                                                                                                                                                                                                                                                    Claim 22; Page 66; 83pp; English.
99US-0143591P,
99EP-00610043.
                                                                                    (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                          and eating disorders.
                                                                                                                                                                                               WPI; 2001-159381/16.
12-JUL-1999;
09-AUG-1999;
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Sequence 46 AA;

AAB69957 Length: 46 February 4, 2005 13:19 Type: P Check: 2472 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPSKKKKKKK

1 match found in sequence:
aab69958 ; des Pro36 (Ly840 (palmitoyl) exendin-4 (1-39) - (Ly8) 7-NH2.
(from "seq4ags.pep")
TOIG Of: aab69958 check: 1947 from: 1 to: 46

AAB69958 standard; peptide; 46 AA

AAB69958;

02-MAY-2001 (first entry)

des Pro36-(Lys40(palmitoyl)exendin-4(1-39)-(Lys)7-NH2

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Neve S; 99US-0143591P. 99EP-00610043. 12-JUL-2000; 2000WO-DK000393 Larsen BD, Mikkelsen JD, (ZEAL-) ZEALAND PHARM AS WO200104156-A1 12-JUL-1999; 09-AUG-1999; 18-JAN-2001.

peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity WPI; 2001-159381/16. Novel level

Claim 22; Page 66; 83pp; English.

and eating disorders.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions at 34:39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-6) having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-6) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino cisobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (R1) (R2)-C(-6)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally consubstituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents as elected from Cl-6-alkyl, C2-6-alkenyl, substituted with h-3 substituents atom to which they are bound, form a cyclopentyl, cyclopentyl, cycloheptyl ring, eg. 2,4-diaminobutanoic cord and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cycloheptyl ring, eg. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate is useful in the manufacture of a cyclopentyl, and phenylmethyl are substitued by hormones known to increase blood glucose levels, such as creechl amines including adremalin, glucoretic emptying, for stimulating glucagon. It is useful in regulation of gastric emptying, for stimulating cincalnin release, for lowering plasma lipid level, and for reducing containing plasm

Sequence 46 AA;

Check: 1947 Type: P 2005 13:19 AAB69958 Length: 46 February 4, Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKKK

aab69959 ; Ly840(palmitoyl) exendin-4(1-39) - (Ly8)7-NH2.
(from "seq4ags.pep")
TOIG of: aab69959 check: 5670 from: 1 to: 47 AAB69959 standard; peptide; 47 AA match found in sequence:

02-MAY-2001 (first entry) AAB69959; SXXXE

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The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position 5.6 or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-ALA, GLY or alpha-amino CC substituent, and Z, apptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, C, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (RI)-(-6-0). RI and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally completely and phenylmethyl are optionally substituted with 1-3 substituents selected from G1-6-alkyl, C2-6-alkenyl, alogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or RI and CC sulfono, and carboxy, and phenylmethyl are optionally cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic ccd acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic ccd the peptide conjugate is useful in the manufacture of a cyclopentyl, cycloheptyl ring, e.g. 2,4-diaminobutanoic ccd the peptide conjugate is useful in the manufacture of a cyclopents, insulin resistance syndrome, obesity, eating disorder cc treating disease states associated with elevated blood glucose levels citeted by hormones known to increase blood glucose levels, such as catechla amines including adrenalin, glucocorticoids, growth hormone and cutetited by hormones known to increase blood glucose levels, growth hormone confunction of gastric emptying, for stimulating flususin release, for lowering plasma lipid level, and for reducing cc mortality and morbidity after myocardial inference of the confunction of sacretone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
                                                                                                   Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; mycoardial infarction.
Ly840 (palmitoyl) exendin-4 (1-39) - (Lys) 7-NH2.
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99EP-00610043.
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AAB69959 Length: 47 February 4, 2005 13:19 Type: P Check: 5670 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSKKKKKKK

aab69962 ; des Pro36-exendin-4(1-39)-NH2 found in sequence: 1 match

to: 38 from: 1 (from "seq4ags.pep") TOIG of: aab69962 check: 6447

AAB69962 standard; peptide; 38 AA.

AAB69962;

(first entry) 02-MAY-2001 des Pro36-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; earling disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Neve S; Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 23; Page 67; 83pp; English.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a cide. Impophilic substituent. X is covalently bound to Z, a peptide sequence of CC 4-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CRIJ(RZ)-CC (-6)-7. RI and R2 are selected from H1. C1-6-alkyl, phenyl and phenyl methyl substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, corrected from to which they are bound, form a cyclopentyl, cyclohexyl, corrected conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, incuring associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including associated with elevated blood glucose levels elicited by hormones kor advendin, plasma lipid level, and for reducing mortality and morbidity compared in the settle or reducing mortality plasma lipid level, and for reducing mortality by and confident myocardial infarction

Sequence 38 AA;

ААВ69962 Length: 38 February 4, 2005 13:19 Туре: P Check: 6447 Found using 'seq4' (mohamed337.key)

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1947A87

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regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction

AAB69963 Length: 38 February 4, 2005 13:19 Type: P Check: 6972 Found using 'seq4' (mohamed337.key)

Sequence 38 AA;

SSSXS

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPS

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Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.
                                                                                                                                                                Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.
                                                                   to: 38
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPS
                                                                   check: 6972 from: 1
                                       . match found in sequence:
aab69963; des Ala35-exendin-4(1-39)-NH2.
(from "seq4ags.pep")
TOIG of: aab69963 check: 6972 from: 1
                                                                                                                                                                                                                                                                                                                                                Neve S;
                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 23; Page 67; 83pp; English.
                                                                                       AAB69963 standard; peptide; 38 AA
                                                                                                                                                des Ala35-exendin-4(1-39)-NH2
                                                                                                                                                                                                                                                                            12-JUL-2000; 2000WO-DK000393
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99EP-00610043
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                                                                                                                                                                                                                    Synthetic.
                                                                                                            AAB69963;
                                        1 match
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The present sequence is peptide X, a component of a novel peptide CC conjugate. X is an exendin at least 90 % homologous to exendin-4, a conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exandin comprising 1-5 deletions at positions 34-39 or a Lys CC at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a cC [GLO-1] (7-36) or GLP-1 (7-37) having a substituent Bach amino acide. Each amino acide mach acide. Each amino acid mizes of formula -NH-C(R1) [X ). V. CC (-0) . R! and R2 are selected from H. Cl-6-alkyl, phenyl and phenyl complyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from Alogen, hydroxy, and phenyl and phenyl are optionally substituted with 1-3 cubstituents selected from Cl-6-alkyl, are optionally substituted with 1-3 cubstituents selected from Cl-6-alkyl, are optionally substituted with 1-3 cubstituents or anion, cyano, nitro, audenon-cl-6-alkyl, c2-6-alkenyl, halogen, hydroxy, can perform atom to which they are bound, form a cyclopencyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-cor cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-cor cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and cather the peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
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                                                                                        to: 38
                                                                                        from: 1
1 match found in sequence:
aab69964 ; des Gly34-exendin-4(1-39)-NH2.
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                                                                                                                                                   AAB69964 standard; peptide; 38
                                                                                                                                                                                                                                                                                                                                          des Gly34-exendin-4(1-39)-NH2.
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99EP-00610043.
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                                                                                                                                                                                                                                                                               (first entry)
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                                                              (from "seq4ags.pep")
TOIG of: aab69964 c
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09-AUG-1999;
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                                                                                                                                                                                                                       AAB69964;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and
                                                                                                                                                            The present sequence is peptide X, a component of a novel peptide CC conjugate. X is an exendin at least 90 % homologous to exendin-4, a conjugate. X is an exendin at least 90 % homologous to exendin-4, a conjugate. X is an exendin at least 90 % homologous to exendin-4, a conjugate. A least 10 % or cip-1 (7-36) or cip-1 (7-37) having a substitution of D-Ala, Gly or C (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or c lipophilic substituent. X is covalently bound to Z, a peptide sequence of c ipophilic substituent. X is covalently bound to Z, a peptide sequence of c ipophilic substituent. X is covalently bound to Z, a peptide sequence of C C (-6) . R and R2 are selected from H. C.1-6-alkyl, phenyl and phenyl-c c c c (-6) . R and R2 are selected from H. C.1-6-alkyl, phenyl and phenyl-c methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, and phenyl c substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbox intro, sulfono, and carboxy; or R1 and R2, cogether with the proviso that X is not exendin-4 or exendin-3. The conjugate is useful in the manufacture of a pharmaceutical conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition diaeces and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known associated with elevated blood glucose levels elicited by hormone successition is growth hormone and glucagon. It is useful in
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peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity
conjugate with the proviso that X is not exendin-4 or exendin-3. The
                                                                                                                                                                                                                                                                                                             after myocardial infarction
88666666666688888
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Sequence 38 AA;

AAB69964 Length: 38 February 4, 2005 13:19 Type: P Check: 6768 Found using 'seg4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSAPPPS

match found in sequence: aab69965; des Gly34-[Ly840(palmitoy1)exendin-4(1-39)-NH2. (from "seq4ags.pep") TOIG of: aab69965 check: 9693 from: 1 to: 39

AAB69965 standard; peptide; 39 AA

AAB69965;

(first entry) 02-MAY-2001 des Gly34-(Ly840(palmitoyl)exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 23; Page 67; 83pp; English.

conjugate. X is an exaction to the state of a homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys are position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent. X is covalently bound to Z, a peptide sequence of 4-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2) -C(=0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-The present sequence is peptide X, a component of a novel peptide

methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-ciaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucos levels elicited by hormones known to increase blood glucose levels, auch as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction.

Sequence 39 AA;

AAB69965 Length: 39 February 4, 2005 13:19 Type: P Check: 9693 Found using 'seq4' (mohamed337.key)

:

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSAPPPSK

match found in sequence: aab69966; des Ala35-(Ly840(palmitoyl)exendin-4(1-39)-NH2. {from "seq4ags.pep") TOIG of: aab69966 check: 9897 from: 1 to: 39

AAB69966;

AAB69966 standard; peptide; 39 AA

02-MAY-2001 (first entry)

des Ala35-(Lys40(palmitoyl)exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; earling disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

99US-0143591P. 99EP-00610043 12-JUL-1999; 09-AUG-1999;

12-JUL-2000; 2000WO-DK000393

(ZEAL-) ZEALAND PHARM AS.

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity eating disorders and

Claim 23; Page 67; 83pp; English.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4,

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c at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide at position 40 having a lipophilic substitution of D-Ala, Gly or GLP-1 (7-37) having a substitution of D-Ala, Gly or GLP-1 (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or GLP-1 (7-37) having a substitution 8 and/or having a lipophilic substituent. X is covalently bound to Z, a peptide sequence of 4-20 amino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, CC (4-0)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl and amino acid units of formula -NH-C(R1) (R2)-CC (4-0)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exemdin-3. The cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with helevated blood glucose levels elicited by hormones known associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including a darenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for regulation of gastric emptying, for stimulating insulin release, for effective and gastric emptying, for stimulating insulin release, for effective and gastric emptying, for stimulating insulin release, for ef
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              after myocardial infarction
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Sequence 39 AA;

AAB69966 Length: 39 February 4, 2005 13:19 Type: P Check: 9897 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGPPPSK

. match found in sequence: aab69967; des Pro36-[Lys40(palmitoy1)exendin-4(1-39)-NH2. (from "seq4ags.pep") TOIG of: aab69967 check: 9372 from: 1 to: 39

des Pro36-(Lys40(palmitoyl)exendin-4(1-39)-NH2. AAB69967 standard; peptide; 39 AA (first entry) 02-MAY-2001

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic

WO200104156-A1

18-JAN-2001.

99US-0143591P 99EP-00610043 12-JUL-1999; 09-AUG-1999;

12-JUL-2000; 2000WO-DK000393

(ZEAL-) ZEALAND PHARM AS.

Larsen BD, Mikkelsen JD,

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WPI; 2001-159381/16.

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The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic substituent. X is covalently bound to Z, a peptide sequence of 1-20 amino acids. Each amino acid in Z is selected from A, L, S, T, X, N, C, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-CC (C-0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl and phenyl and phenyl and phenyl methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, and carboxy, and phenyl methyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with the proviso that X is not exendinal amide of the peptide or cycloheptyl ring, eg. 2, 4-diaminobtranoic acid and 2,3-cdiaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insilin creates conjugate with elevated blood glucose levels elicited by hormones known continues and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known continues and gastric disease. It is useful in a scatechla amines including in a demaniant of type 1 or type 2 diabetes, including a demaniant of the conjugate or its suseful in the mannes including in the increase blood glucose levels elicited by hormones known confirmation and mannes including and elevated in a confirmation or a confirmation or a conection or a confirmation or a confirmation or a confirmation or a
Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
                                                                                                                                              Claim 23; Page 67; 83pp; English.
                                                                            and eating disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
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AAB69967 Length: 39 February 4, 2005 13:19 Type: P Check: 9372 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPSK

to: 45 check: 8695 from: 1 AAB69968 standard; peptide; 45 AA match found in sequence:
aab69968; Exendin-4(1-39)-(Lys)6-NH2.
(from "seq4ags.pep")
TOIG of: aab69968 check: 8695 from: AAB69968; 1 match

02-MAY-2001 (first entry)

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction. Exendin-4 (1-39) - (Lys) 6-NH2.

Synthetic.

WO200104156-A1

18-JAN-2001.

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 12-JUL-1999; 12-JUL-2000; 2000WO-DK000393.

WO200104156-A1

18-JAN-2001

99US-0143591P. 99EP-00610043.

12-JUL-1999; 09-AUG-1999;

Mikkelsen JD,

Larsen BD,

WPI; 2001-159381/16.

Novel evel and

(ZEAL-) ZEALAND PHARM AS

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The present sequence is a peptide conjugate comprising a peptide (X)
which is an exendin at least 90 % homologous to exendin-4, a variant of
exendin comprising 1-5 deletions at positions 34-39 or a Lys at position
40 having a lipophilic substituent, a glucagon-like peptide (GIP-1) (7-
36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino
isobutyric acid for Ala at position 8 and/or having a lipophilic
substituent, and Z, a peptide sequence of 4-20 amino acids covalently
bound to the variant. Each amino acid in Z is selected from A, L, S, T,
Y, M, Q, D, G, K, R, H, M, Orn, and amino acid unite of formula -NH-
C(R1) (E)-C(=O)-R1 and R2 are selected from H, C1-6-alkyl, phenyl
substituents selected from halogen, hydroxy, amino, cyano, nitro,
substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl,
substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl,
aughton, and carboxy, and phenyl and phenylmethyl are optionally
substituted with the carbon atom to which they are bound, form a
cyclopentyl, cyclobexyl, or cycloheptyl xing, e.g. 2,4-diaminobutanoic
acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide
condin-3. The peptide conjugate with the proviso that X is not exendin-4 or
exendin-3. The peptide conjugate is useful in the manufacture of a
pharmaceutical composition for use in treatment of type 1 or type 2
   The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having substitution of D-Ala, Gly or alpha-amino comprisition and 20 mino acids covalently substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI) (RI2-)-(-60)-. RI and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from Hordroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl-methyl are optionally substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl-methyl are optionally substituted with 1-3 substituents as elected from Cl-6-alkyl, C2-6-alkenyl, alogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and peotition of cyano, nitro, sulfono, and carboxy, or R1 and CC sulfono, and carboxy, and phenyl-methyl are optionally croscher with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic ccid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-3. The peptide conjugate is useful in the manufacture of a candin-3. The peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a chabetes, insulin resistance syndrome, obssity, eating disease states associated with elevated blood glucose levels catechol maines including adtremed with elevated blood glucason. It is usef
                                                                                                                                                                                                                                                            Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             February 4, 2005 13:19 Type: P Check: 8695
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      . match found in sequence:
aab59569; des Pro36-exendin-4(1-39)-(Lys)6-NH2.
(from % seq4ags.pep")
TOIG of: aab69969 check: 5122 from: 1 to: 44
                                                                                                                                 Neve S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAB69969 standard; peptide; 44 AA
                                                                                                                                                                                                                                                                                                                                                                                           Claim 24; Page 67; 83pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Found using 'seq4' (mohamed337.key)
99EP-00610043
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                                                                                                                              Larsen BD, Mikkelsen JD,
                                                             (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                                                                                                 and eating disorders.
                                                                                                                                                                                               WPI; 2001-159381/16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 45 AA;
09-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB69969;
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peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity

Claim 27; Page 68; 83pp; English.

eating disorders.

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diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating mortality and morbidity after myocardial infarction
                                                                                                                                                                                                                                                                                                       2005 13:19 Type: P Check: 5122
                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      39
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t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB69971 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                       AAB69969 Length: 44 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     02-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence: aab69971; Exendin-4(1-39).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (from "seq4ags.pep")
TOIG of: aab69971 c
                                                                                                                                                                                                                                                     Sequence 44 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAB69971;
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Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic

des Pro36-exendin-4(1-39)-(Lys)6-NH2.

The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a conjugate. X is an exendin at least 90 % homologous to exendin-4, a to variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substitutent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or capparation acids. Each amino acid in Z is selected from A. L. S. T. Y. N. C. 4-20 amino acids. Each amino acid in Z is selected from A. L. S. T. Y. N. C. C. D. G. K. R. H. M. Orn, and amino acid units of formula -NH-C(R1) (R2)-CC (-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl and phenyl and phenyl and phenyl and phenyl methyl substituted with 1-3 substituents selected from halogon, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, and carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, aminopropanoic acid or its salt, or the C-terminal amide of the peptide corjugate with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin corpugate with elevated blood glucose levels elicited by hormones known to increase blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, such as catechol amines including carbon in the compusition of gastric empeying, for stimulating insulin release, for regulation of gastric empeying, for seducing mortality and morbidity Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction. Neve S; Claim 6; Page 62; 83pp; English. 12-JUL-2000; 2000WO-DK000393 99US-0143591P 99EP-00610043 after myocardial infarction Larsen BD, Mikkelsen JD, (ZEAL-) ZEALAND PHARM AS. and eating disorders. WPI; 2001-159381/16. Exendin-4 (1-39) Sequence 39 AA; WO200104156-A1 12-JUL-1999; Unidentified 09-AUG-1999; 18-JAN-2001.

AAB69971 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
```

1 match found in sequence: aab69979 ; des Pro36, Pro37-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.pep")

to: 36 from: 1 TOIG of: aab69979 check: 441

AAB69979 standard; peptide; 36 AA

AAB69979;

02-MAY-2001 (first entry)

des Pro36, Pro37-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS.

Neve S: Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34.39 or a Lys at position 36.00 or GLP-1 (7-37) having a substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutyric acid for Ala at position 8 and/or having a lipophilic consistent. Each amino acid in Z is selected from 4, L, S, T, Y, N, O, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cC (RI)(RI)(RI)-(1-6). RI and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, halogen, hydroxy, and phenyl and phenylmethyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, explohexyl, or the creminal amide of the peptide conjugate with the provise that X is not exendin-3. The peptide conjugate is useful in the manufacture of a cycloheptyl ring, exendin-3. The peptide conjugate is useful in the manufacture of a catechol amines including adrenalin, glucocorticoids, growth hormone sud catechol amines including adrenalin, glucocorticoids, growth hormone cycloheptyl and morbidity after

Sequence 36 AA;

AAB69979 Length: 36 February 4, 2005 13:19 Type: P Check: 441 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAS
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. match found in sequence: aab69980 ; (Lys)6-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2. to: 42 from: 1 check: 8306 (from "seq4ags.pep") TOIG of: aab69980

AAB69980 standard; peptide; 42 AA

AAB69980

(first entry) 02-MAY-2001

(Lys) 6-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Mikkelsen JD, Neve S; Larsen BD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobutrivic acid for Ala at position 8 and/or having a lipophilic cubstituent, and Z, a peptide sequence of 4-20 amino acids covalently cubstituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C (R1) (R2)-C(-6)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from H c1-6-alkyl, phenyl and carboxy, and phenyl-methyl are optionally cubstituents selected from C1-6-alkyl, C2-6-alkenyl, augmentation, cyano, nitro, sulfono, and carboxy, or R1 and C substituents selected from C1-6-alkyl, C2-6-alkenyl, c2-6-alkenyl, c3-12-6-alkyl, c3-12-6-alkyl, c3-12-6-alkyl, c4-12-6-alkyl, c4-12-6-alkyl, c5-6-alkenyl, c4-12-6-alkyl, c5-6-alkenyl, c5-6-alkenyl, c4-12-6-alkyl, c5-6-alkenyl, c5-6-alken

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insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction
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Sequence 42 AA;

Type: P Check: 8306 2005 13:19 AAB69980 Length: 42 February 4, Found using 'seq4' (mohamed337.key)

AAB69981 standard; peptide; 42 AA

AAB69981;

(first entry) 02-MAY-2001 Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obseity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 12-JUL-1999;

99EP-00610043. 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Mikkelsen JD, Larsen BD,

WPI; 2001-159381/16.

Neve S;

novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucse and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletrions at positions 34-39 or a Lys at position 26 or an incomplete of all pophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino isobative and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Bach amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-C(-G)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3 substituents selected from C1-6-alkyl, phenyl and phenyl mane, year optionally substituted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkenyl, alogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2 cyclopentyl, cyclohexyl, or cyclopertyl ring, eg. 2,4-diaminobutanoic acid and 2,3-diaminopuranoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or

exendin-3. The peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic disorders and gastric disease. It is useful for treating disease states associated with elevated blood glucose levels elicited by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and glucagon. It is useful in regulation of gastric emptying, for stimulating mostalin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction 8X888888888XX

Sequence 42 AA;

Check: 8189 Type: P AAB69981 Length: 42 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

|-----| | NEEBEEHGEGIFTSDLSKQMBEEAVRLFIEWLKNGGPSSGAS

. match found in sequence: aab69982 ; (Lys)6-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.pep") TOIG of: aab69982 check: 8781 from: 1 to: 48

AAB69982 standard; peptide; 48 AA

(first entry) 02-MAY-2001

(Lys) 6-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myccardial infarction.

Synthetic

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393.

99US-0143591P. 99EP-00610043. 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Neve Mikkelsen JD, Larsen BD,

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WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity Claim 22; Page 66; 83pp; English. and eating disorders.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-11ke peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1) (R2)-C(-GO)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl and phenyl-methyl, where C1-6-alkyl is optionally substituted with 1-3

cubetituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally cubetituted with 1-3 substituents selected from c1-6-alkyl, c2-6-alkenyl, chance, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and c2, together with the carbon atom to which they are bound, form a cyclohearyl, or cyclohearyl, ring, e.g. 2,4-diaminobutanoic cc acid and 2.3-diaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate with the proviso that X is not exendin-4 or exendin-3. The peptide conjugate is useful in the manufacture of a cyparmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, creating disease states associated with elevated blood glucose levels creating disease states associated with elevated blood glucose levels creating disease states associated with elevated blood glucose levels catechol amines including adrenalin, glucocorticoids, growth hormone and cultical by hormones known to increase blood glucose levels, such as catechol amines including adrenalin, glucocorticoids, growth hormone and clucagon. It is useful in regulation of gastric emptying, for stimulating insulin release, for lowering plasma lipid level, and for reducing mortality and morbidity after myocardial infarction

88888888888888888888888888888888

Sequence 48 AA;

AAB69982 Length: 48 February 4, 2005 13:19 Type: P Check: 8781 Found using 'seq4' (mohamed337.key)

KKKKKKHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGASKKKKK

match found in sequence: aab569983 ; Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. (from "seq4ags.ppp") TOIG of: aab59983 check: 8664 from: 1 to: 48

AAB69983 standard; peptide; 48 AA

AAB69983;

02-MAY-2001 (first entry)

Asn(Glu)5-des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gatric disease; myocardial infarction.

Synthetic.

WO200104156-A1.

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 99EP-00610043 12-JUL-1999; 09-AUG-1999;

(ZEAL-) ZEALAND PHARM AS

Larsen BD, Mikkelsen JD,

Neve S;

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity and eating disorders.

Claim 22; Page 66; 83pp; English.

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position

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CC 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, Gly or alpha-amino consistential sobultyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, C, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-cc (RI) (R2)-C(=0)-. R1 and R2 are selected from H, Cl-6-alkyl, phenyl and phenyl-methyl, where Cl-6-alkyl is optionally substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents aclected from Cl-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents selected from Cl-6-alkyl, C2-6-alkenyl, substituted with 1-3 substituents aclected from Cl-6-alkyl, C2-6-alkenyl, substituted with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopentyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, cyclopentyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic cyclopentyl,
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Sequence 48 AA;

AAB69983 Length: 48 February 4, 2005 13:19 Type: P Check: 8664 Found using 'seq4' (mohamed337.key)

|-----| NEEBEEHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGASKKKKKK

. match found in sequence: aab69984 ; des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. check: 8216 from: 1 to: (from "seq4ags.pep") TOIG of: aab69984 o AAB69984;

des Pro36, Pro37, Pro38-exendin-4(1-39)-(Lys)6-NH2. AAB69984 standard; peptide; 42 AA 02-MAY-2001 (first entry)

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antiinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; mycoardial infarction.

Synthetic

WO200104156-A1.

18-JAN-2001.

99US-0143591P. 99EP-00610043 12-JUL-1999; 09-AUG-1999;

12-JUL-2000; 2000WO-DK000393

(ZEAL-) ZEALAND PHARM AS.

Neve S; Larsen BD, Mikkelsen JD,

WPI; 2001-159381/16.

Novel peptide agonist of Glucagon-like peptide, useful for decreasing the

The present sequence is a peptide conjugate comprising a peptide (X) which is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 34-39 or a Lys at position 240 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-37) having a substitution of D-Ala, Gly or alpha-amino CC isobutyric acid for Ala at position 8 and/or having a lipophilic substituent, and Z, a peptide sequence of 4-20 amino acids covalently bound to the variant. Each amino acid in Z is selected from A, L, S, T, Y, N, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-CC (RI)[X2)-(C-6)-. XI and R2 are selected from H, CI-6-alkyl, phenyl and phenyl-methyl, where CI-6-alkyl is optionally substituted with 1-3 substituents selected from H, CI-6-alkyl, phenyl and phenylmethyl are optionally substituted with 1-3 substituents aclected from CI-6-alkyl, CZ-6-alkenyl, alogen, hydroxy, and phenyl and phenylmethyl are optionally cyclopentyl, or cyclopetyl and phenylmethyl are optionally compactive with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide cyclopentyl, cyclohexyl, or cycloheptyl ring, e.g. 2,4-diaminobutanoic codd and 2,3-diaminopropanoic acid or its salt, or the C-terminal amide composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disease states associated with elevated blood glucose levels cicted by hormones known to increase blood glucose levels, such as elected as secondard and appearance of a catechol amines including adtennalin, glucoserlevels, glucagon. It is useful in regulation of gastric emptying, for stimulating mesulin release, for lowering plasma lipid level, and for reducing cyclopers and cortac level of blood glucose and for treating diseases like diabetes, obesity and eating disorders. Claim 22; Page 67; 83pp; English.

Sequence 42 AA;

AAB69984 Length: 42 February 4, 2005 13:19 Type: P Check: 8216 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGPSSGASKKKKKK

1 match found in sequence: aab69989 ; des Pro36-des Pro37-exendin-4(1-39)-NH2. (from "seq4ags.pep") TOIG of: aab69989 check: 3404 from: 1 AAB69989 standard; peptide; 37 AA 02-MAY-2001 (first entry) AAB69989;

to: 37

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antilinflammatory; peptide conjugate; diabetes; obsaity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction. BEXEROXERE

des Pro36-des Pro37-exendin-4(1-39)-NH2.

Synthetic.

WO200104156-A1

18-JAN-2001

12-JUL-2000; 2000WO-DK000393

99US-0143591P. 12-JUL-1999;

09-AUG-1999;

WO200104156-A1

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The present sequence is peptide X, a component of a novel peptide conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys cat position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substitution of D-Ala, GLY or alpha-amino isobutyric acid for Ala at position 8 and/or having a cit inpophilic substituent. X is covalently bound to Z, a peptide sequence of covamino acids. Each amino acid in Z is selected from A, L, S, T, Y, N, C, Q, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(R1)(R2)-CC (=6)-. R1 and R2 are selected from H, C.1-6-alkyl, phenyl and phenyl-cc carboxy, and phenyl and phenylmethyl austituted with 1-3 substituents selected from Hologen, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with carbox, and phenyl and phenylmethyl are optionally substituted with 1-3 substituents selected from C.6-alkyl, C2-6-alkenyl, halogen, hydroxy, amino, cyano, nitro, sulfono, and carboxy; or R1 and R2, together with che proviso that X is not exendin-4 or exendin-3. The cycloheptyl ring, e.g. 2,4-diaminobutanoic acid and 2,3-cdiaminopropanoic acid or its salt, or the C-terminal amide of the peptide conjugate is useful in the manufacture of a pharmaceutical composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition for use in treatment of type 1 or type 2 diabetes, insulin composition diageter by a diagratic disease. It is useful for treatment of gastric emptying, for a timuland substituent of gastric em
                                                                                                                                                                                   peptide agonist of Glucagon-like peptide, useful for decreasing the of blood glucose and for treating diseases like diabetes, obesity
                                                                               Neve S;
                                                                                                                                                                                                                                                                                                        Claim 23; Page 67; 83pp; English.
                                                                            Larsen BD, Mikkelsen JD,
                          (ZEAL-) ZEALAND PHARM AS
                                                                                                                                                                                                                                                      and eating disorders.
                                                                                                                                    WPI; 2001-159381/16.
                                                                                                                                                                                                                         level
                                                                                                                                                                                                  Novel
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37 February 4, 2005 13:19 Type: P Check: 3404 (mohamed337.key) AAB69989 Length: 37 Found using 'seq4' (mo Sequence 37 AA;

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPS

1 match found in sequence: aab69990 ; des Pro36-des Pro37-des Pro 38-exendin-4(1-39)-NH2. check: 441 from: 1 to: 36 (from "seq4ags.pep") TOIG of: aab69990 c

AAB69990 standard; peptide; 36 AA 02-MAY-2001 (first entry) AAB69990;

des Pro36-des Pro37-des Pro 38-exendin-4(1-39)-NH2.

Glucagon-like peptide-1; GLP-1; exendin-4; antidiabetic; anorectic; antinflammatory; peptide conjugate; diabetes; obesity; insulin resistance syndrome; eating disorder; hyperglycaemia; metabolic disorder; gastric disease; myocardial infarction.

Synthetic

conjugate. X is an exendin at least 90 % homologous to exendin-4, a variant of exendin at least 90 % homologous to exendin-4, a variant of exendin comprising 1-5 deletions at positions 34-39 or a Lys at position 40 having a lipophilic substituent, a glucagon-like peptide (GLP-1) (7-36) or GLP-1 (7-37) having a substituent, a glucagon-like peptide cup at position 40 having a lipophilic substituent X is covalently bound to Z, a peptide sequence of lipophilic substituent. X is covalently bound to Z, a peptide sequence of commin oscide. Each amino acid in Z is selected from A. L, S, T, Y, N, C, D, G, K, R, H, M, Orn, and amino acid units of formula -NH-C(RI) (R2)-C (-0)-. R1 and R2 are selected from H, C1-6-alkyl, phenyl- and phenyl- and phenyl- and phenyl- and phenyl- and phenyl- and phenyl- are optionally substitueted with 1-3 substituents selected from C1-6-alkyl, C2-6-alkyl, halogon, hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R1 and R2, together with the carbon atom to which they are bound, form a cyclopentyl, cyclohexyl, cc cyclohepyl ring, eng. 2,4-diaminobutanoic acid and 2,3-C conjugate with the proviso that X is not exendin-4 or exendin-3. The composition for use in treatment of type 1 or type 2 diabetes, insulin resistance syndrome, obesity, eating disorder, hyperglycaemia method conjugate is useful in the manufacture of a pharmaceutical conjugate such a treatment of type 1 or type 2 diabetes, insulin cresistance syndrome, obesity, eating disorder, hyperglycaemia, metabolic carboated with elevated blood glucose levels such as catechol amines including carboated with elevated blood glucose levels such as catechol amines including carboating plasma lipid level, and for reducing mortality and morbidity carboardial infarction Novel peptide agonist of Glucagon-like peptide, useful for decreasing the level of blood glucose and for treating diseases like diabetes, obesity present sequence is peptide X, a component of a novel peptide Neve S; Claim 23; Page 67; 83pp; English. 12-JUL-2000; 2000WO-DK000393 99US-0143591P 99EP-00610043 Mikkelsen JD, (ZEAL-) ZEALAND PHARM AS and eating disorders. WPI; 2001-159381/16. Sequence 36 AA; 12-JUL-1999; 09-AUG-1999; 18-JAN-2001 Larsen BD,

AAB69990 Length: 36 February 4, 2005 13:19 Type: P Check: 441 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAS

1 match found in sequence:

aab85925; Gila monster venom exendin 3 peptide fragment. (from "seq4ags.pep")
TOIG of: aab85925 check: 9591 from: 1 to: 39 Gila monster venom exendin 3 peptide fragment. AAB85925 standard; peptide; 39 AA 30-NOV-2001 (first entry) AAB85925; BXXXXX

Fri Feb

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Heloderma suspectum.
The invention is directed towards the amelioration of organ tissue injury caused by reperfusion of blood flow after ischemia. The method involves administering a composition containing a compound which binds to a receptor for glucagon-like peptide-1 (GLP-1) in a carrier. GLP-1 effectively enhances peripheral glucose uptake without inducing dangerous hypoglycemia. GLP-1 strongly suppresses glucagon secretion, independent of its insuliniotropic action and powerfully reduces plasma free fatty acid (FFA) level having major toxic mechanism during myocardial ischemia, acid (FFA) level having major toxic mechanism during myocardial ischemia, acid (FFA) level having accomplished with insulin. The method is without side effects normally attendant with therapies presently available. GLP-1 is unique in its capacity to simultaneously. Cor somatostatin. GLP-1 is unique in its capacity to simultaneously. Cor simulate insulin secretion and inhibit glucagon release. The present sequence represents a gila monster venom exendin 3 peptide fragment, homologous to a mammalian GLP-1 peptide fragment
         GLP-1; organ tissue; injury; reperfusion; ischemia; glucose; exendin; glucagon-like peptide-1; vasotropic; antiarrhythmic; antidiabetic; gila monster; venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GLP-1; organ tissue; injury; reperfusion; ischemia; glucose; exendin; glucagon-like peptide-1; vasotropic; antiarrhythmic; antidiabetic; gila monster; venom.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Metabolic intervention with GLP-1 improves function of ischemic and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB85925 Length: 39 February 4, 2005 13:19 Type: P Check: 9591
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aab85927 ; Gila monster venom exendin 4 peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gila monster venom exendin 4 peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 39
                                                                                                                                                                     /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Col 7-10; 10pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAB85927 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                             98US-0103498P
                                                                                                                                                                                                                                                                                       99US-00302596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                       Coolidge TR, Ehlers MRW;
                                                                                                                                                                                                                                                                                                                                                                 (BION-) BIONEBRASKA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
                                                                                           Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-040881/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   reperfused tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (from "seq4ags.pep")
TOIG of: aab85927 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
                                                                                                                                                 Modified-site
                                                                                                                                                                                                                                                                                       30-APR-1999;
                                                                                                                                                                                                                                                                                                                             08-OCT-1998;
                                                                                                                                                                                                             US6284725-B1
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The invention is directed towards the amelioration of organ tissue injury caused by reperfusion of blood flow after ischemia. The method involves administering a composition containing a compound which binds to a receptor for glucagon-like peptide. 1 (GLP-1) in a carrier. GLP-1 effectively enhances peripheral glucose uptake without inducing dangerous hypoglycemia. GLP-1 strongly suppresses glucagon secretion, independent of its insuliniotropic action and powerfully reduces plasma free fatty of its insuliniotropic action and powerfully reduces plasma free fatty acid (FRA) level having major toxic mechanism during myocardial ischemia, substantially more than can be accomplished with insulin. The method is unithout side effects normally attendant with therapies presently available. GLP-1 suppresses paracrine by intra-islet release of insulin or somatostatin. GLP-1 is unique in its capacity to simultaneously stimulate insulin secretion and inhibit glucagon release. The present sequence represents a gila monster venom exendin 4 peptide fragment, homologous to a mammalian GLP-1 peptide fragment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin-3; antilipemic; cardiant; triglyceride; inotropic; diuretic;
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Metabolic intervention with GLP-1 improves function of ischemic and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAB85927 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
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aae08345; Heloderma horridum exendin-3 peptide.
(from "seq4ags.pep")
                                                                           /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Col 7-10; 10pp; English.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                   99US-00302596
                                                                                                                                                                                                                                                                                                                                                                   98US-0103498P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ehlers MRW;
                                                                                                                                                                                                                                                                                                                                                                                                                                           (BION-) BIONEBRASKA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-040881/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma horridum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     reperfused tissue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA;
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Modified-site
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                                         Modified-site
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                                                                                                                                                                                                                                                                                                                                                                       08-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Coolidge TR,
                                                                                                                                                   US6284725-B1
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Sequence 30 AA;
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                                                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They be a second of the sequence is exendin-3 peptide from Heloderma horridum
                                                                                                                                                                                                                                                                                       AAE08345 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aae08346 ; Heloderma suspectum exendin-4 peptide.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                               to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                              HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma suspectum exendin-4 peptide
                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
39
                                                                                                                                                               Disclosure; Page 10; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08346 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-JAN-2000; 2000US-0175365P
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                                                        10-JAN-2000; 2000US-0175365P.
                                      09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA;
                                                                           (AMYL-) AMYLIN PHARM INC
                                                                                              Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma suspectum.
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                                                                                                               WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                        Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200151078-A1
 WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                 TOIG of: aae08346
                                                                                              Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-NOV-2001
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                    19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08346;
                                                                                                                                                                                                                                                                                                                                                                      1 match
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 (residues 1-30) from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              compounds for modulating triglyceride and dyslipidemia.
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                  The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat concary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is exendin-4 peptide from Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08346 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
aae08350 ; Heloderma suspectum exendin-4 peptide (residues 1-30).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma suspectum exendin-4 peptide (residues 1-30).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                         Disclosure; Page 10; 161pp; English.
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levels, and treating heart disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 13; Page 14; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08350 standard; peptide; 30 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (from "seq4ags.pep"
TOIG of: aae08350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200151078-A1.
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Found using

AAE08350

AAE08351

to: 28

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Heloderma suspectum modified exendin-4 amide peptide (residues 1-28)#1.
                                                                                                                                                                                                           cardiant, triglyceride, inotropic, diuretic, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increopic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They exent esquence is Heloderma suspectum modified exendin-4 amide (residues 1-28) which is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for mod
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 14; 161pp; English.
                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
  from: 1
                                           AAE08352 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
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TOIG of: aae08352 check: 151
                                                                                                                               01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA;
                                                                                                                                                                                                                    Exendin-4; antilipemic; coronary heart disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                      Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                    WO200151078-A1
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOIG of: aae08353
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                                                                                      AAE08352
                                             1 match found in sequence:
aae08352 ; Heloderma suspectum modified exendin-4 amide peptide (residues 1-28
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is an agonist of exendin, exendin-4 amide (residues 130) from Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                           match found in sequence:
aae08351; Heloderma suspectum exendin-4 peptide (residues 1-30) amide.
(from "seq4ags.pep")
TOIG of: aae08351 check: 4889 from: 1 to: 30
                      Check: 4889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Check: 4889
                                                                                                                                                                                                                                                                                                                                                                                                                                        Heloderma suspectum exendin-4 peptide (residues 1-30) amide.
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Pound using 'seg4' (mohamed337.key)
                  Length: 30 February 4, 2005 13:19 Type: P
   'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                        AAE08351 standard; peptide; 30 AA
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
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                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Heloderma suspectum.
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Modified-site
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modulating triglyceride

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The
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                                                                                            AAE08352 Length: 28 February 4, 2005 13:19 Type: P Check: 151 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                    match found in sequence:
aae08353; Heloderma suspectum modified exendin-4 peptide.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma suspectum modified exendin-4 peptide.
                                                                                                                                                                                                                                                                                        to: 39
                                                                                                                                                                                                                                                                                      from: 1
                                                                                                                                                                                                                                                                                                                         AAE08353 standard; peptide; 39 AA
                                                                                                                                                                    HGEGTFTSDLSKQLEEEAVRLAIEFLKN
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                     Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin: Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
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aae08355; Exendin agonist peptide #2.
(from "seq4ags.pep")
TOIG of: aae08355 check: 9145 from:
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                10-JAN-2000; 2000US-0175365P.
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                                                     (AMYL-) AMYLIN PHARM INC.
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                                                                                             Young AA;
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Modified-site
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The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendina have intorropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is Heloderma suspectum modified exendin-4 peptide which
                                                                                                                                                                                                                                                                                                                                                                                                                    Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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coronary heart disease; dyslipidaemia.
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                                                                                                 /note= "C-terminal amide"
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(from "seq4ags.pep")
TOIG of: aae08354 check: 9556 from:
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                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC
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                      Heloderma suspectum
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aae08356 ; Exendin agonist peptide #3.
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                   Example 3a; Page; 161pp; English
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TOIG of: aae08356
                                                                                                                                                                                                                                                         Sequence 39 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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sequence is not shown in the specification but is derived from SEQ NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                Check: 9587
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HGEGTFTSDLSKQMBEEAVRLFIEWLKNGGPSSGAPPPY
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                                                                                AAE08356 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                              aae08357 ; Exendin agonist peptide #4.
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of: aae08357 c
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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(from "seq4ags.pep")
TOIG of: aae08360 check: 9563 from:
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                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #7.
                                         Exendin agonist peptide #6
01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                   WO200151078-A1
                                                                                                                                                                                             Key
Modified-site
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                                                                                                                                                                                                                                                      Modified-site
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                                                                                                                                                 Synthetic
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  X S X Z Z X B X B X S X S X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                   Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08358 Length: 39 February 4, 2005 13:19 Type: P Check: 9567
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
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aae08359; Exendin agonist peptide #6.
(from "seq4ags.pep")
TOIG of: aae08359 check: 9678 from:
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                                                                                                                                                 AAE08358 standard; peptide; 39 AA
                                                                 aae08358 ; Exendin agonist peptide #5.
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                                                                                                         check: 9567
                                                                                                                                                                                                                                                                              Exendin agonist peptide #5
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                                           1 match found in sequence:
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                                                                                     (from "seq4ags.pep")
TOIG of: aae08358 c
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Modified-site
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levels,

Use of

Synthetic

AAE08358

Synthetic.

AAE08359

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                            "C-terminal amide"
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aae08361 ; Exendin agonist peptide #8.
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                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                      Young AA;
                              /note=
                                                                                                                                                                                                                                    WPI; 2001-514422/56.
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TOIG of: aae08361 c
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum trigly/ceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial trigly/ceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08362 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aae08362; Exendin agonist peptide #9.
[firom "seq4ags.pep"]
TOIG of: aae08362 check: 9617 from:
                                                                                                                                                       Example 8; Page; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #9
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              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                             Young AA;
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                                                                         WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
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                                             Kolterman OG,
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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
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     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                   AAE08362 Length: 39 February 4, 2005 13:19 Type: P Check: 9617 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                 HGEGTFTTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPT
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                                                                                                                                                                                                                                                                                                                                                                                                                        aae08363; Exendin agonist peptide #10. (from "seq4ags.pep")
TOIG of: aae08363 check: 9579 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08363 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
                                                                                                                                                                                                                      Sequence 39 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                :
                                                                                                                                                                                                                                                                                                                                                                              Exendin agoniet, antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
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                             Check: 9579
                             Type: P
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                             AAE08363 Length: 39 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                             HGEGTFTSELSKOMEERAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                               from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                             1 match found in sequence:
aae08364 ; Exendin agonist peptide #11.
(from "seq4ags.pep")
. TOIG of: aae08364 check: 9690 from:
                                                                                                                                                                                                                                              AAE08364 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #11
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Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
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HGEGTFTSDXSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                'note= "Pentylglycine"
                                                                                                                                                                                                                                      Location/Qualifiers
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                                                                                   Exendin agonist peptide #13.
                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                    WO200151078-A1
                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                Modified-site
                                      01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                            19-JUL-2001
                                                                                                                                                                                           Synthetic
AAE08366;
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08365 Length: 39 February 4, 2005 13:19 Type: P Check: 9251 Found using 'seq4' (mohamed337.key)
                                                                                                          to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGTFTSDXSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'note= "Pentylglycine"
                                                                                                       check: 9251 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                        1 match found in sequence:
aee08365 ; Exendin agonist peptide #12
                                                                                                                                                  AAE08365 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 12; Page; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                Exendin agonist peptide #12
                                                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-514422/56.
                                                                                     (from "seq4ags.pep")
TOIG of: aae08365 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                           AAE08365;
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8XCCCCCCCCCX8X44X4X4X4X4X4X4X4X44444X8X8X4X4X4X

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Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
AAE08366 Length: 39 February 4, 2005 13:19 Type: P Check: 9724 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                      to: 39
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HGEGTFTSDLSKQXEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                      check: 9299 from: 1
                                                                                                                                                match found in sequence:
aae08367; Exendin agonist peptide #14.
(from "seq4ags.pep")
TOIG of: aae08367 check: 9299 from:
                                                                                                                                                                                                                                          AAE08367 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #14.
                                                                                                                                                                                                                                                                                                                   01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                               AAE08367;
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to: 39

check: 9724 from: 1

(from "seq4ags.pep") TOIG of: aae08366

AAE08366 standard; peptide; 39 AA

Α×

match found in sequence: aae08366 ; Exendin agonist peptide #13.

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAB08368 Length: 39 February 4, 2005 13:19 Type: P Check: 9966 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOMEERAVRLXIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aae08369; Exendin agonist peptide #16.
[from "seqaags.pep"]
TOIG of: aae08369 check: 9869 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08369 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                    Example 15; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10-JAN-2000; 2000US-0175365P
                                                      09-JAN-2001; 2001WO-US000719
                                                                                               10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA;
                                                                                                                                                                            Young AA;
                                                                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200151078-A1
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Modified-site
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                                                                                                                                                                            Kolterman OG,
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                  19-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08369;
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKOXEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'note= "Naphthylalanine"
                                                                               'note= "Pentylglycine"
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                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aae08368 ; Exendin agonist peptide #15.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 14; Page; 161pp; English.
                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08368 standard; peptide;
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                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                  Young AA;
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TOIG of: aae08368
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Modified-site
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                                                                                                   Modified-site
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    Synthetic.
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8888888
                       exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                  AAE08369 Length: 39 February 4, 2005 13:19 Type: P Check: 9869 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                 HGEGTFTSDLSKQMEEEAVRLFVEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                          aae08370 ; Exendin agonist peptide #17.
                                                                                                                                                                                                                                                                                                                                                                                        AAE08370 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 17; Page; 161pp; English.
                                                         Example 16; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #17.
                                                                                                                                                                                                                                                                                                                                                                 check: 9430
                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                      n "seq4ags.pep")
of: aae08370 c
                                                                                                                                                                                                             Sequence 39 AA;
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Modified-site
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                                   levels,
                       Use of
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence in a agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SBQ ID NO:3 shown in page 17 of the specification
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                   Type: P Check: 9430
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 39
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HGEGTFTSDLSKQLEEEAVRLFVEFLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                   AAE08370 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aae08371; Exendin agonist peptide #18.
(from "seq4ags.pep")
TOIG of: aae08371 check: 9915 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
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                                                                                                                                                                                                                                                     Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200151078-A1
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08371;
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to: 39

from: 1

check: 9546

(from "seq4ags.pep" TOIG of: aae08373

AAE08373 standard; peptide; 39 AA

Exendin agonist peptide #20.

(first entry)

01-NOV-2001

AAE08373;

aae08373 ; Exendin agonist peptide #20.

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
AAE08371 Length: 39 February 4, 2005 13:19 Type: P Check: 9915 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Check: 9476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08372 Length: 39 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "Tertiary-butylglycine"
                                                                                                                                                                                       to: 39
                                                   |-----HGEGTFTSDLSKQMEEEAVRLFXEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                                                     check: 9476 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                  1 match found in sequence:
aae08372 ; Exendin agonist peptide #19.
(from "seq4ags.pep")
TOIG OF: aae08372 check: 9476 from:
                                                                                                                                                                                                                       AAE08372 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 19; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #19
                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200151078-A1
                 Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
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                                                                                                                                                                                                                                                                                           01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                 Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Type: P Check: 9546
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                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQMEEEAVRLFIDWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08373 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08374 ; Exendin agonist peptide #21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08374 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 20; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                   09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                          Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence
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TOIG of: aae08374 o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                                                                                                                                                                         WO200151078-A1
                                                                                                                                                                                              Key
Modified-site
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                                                                                                                                                                                                                                                                                     19-JUL-2001
                                                                                                                                                                Synthetic.
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1 × 2 × 5 × 5
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Exendin agonist peptide #21.

|-----| HGEGTFTSDLSKQLEEEAVRLFXEFLKNGGPSSGAPPPS

1 match found in sequence:

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Exendin agonist peptide #23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-NOV-2001 (first entry)
                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                Kolterman OG, Young AA;
                note=
                                                                             /note=
                                                                                                                                                                                                                                                                                              WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                          WO200151078-A1
Modified-site
                              Modified-site
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 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
              Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08374 Length: 39 February 4, 2005 13:19 Type: P Check: 9145 Found using 'seq4' (mohamed337.key)
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                                                                                                                         /note= "C-terminal amide"
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HGEGTFTSDLSKQMEEEAVRLFIEFLKNGGPSSGAPPPS
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                                                                                  Location/Qualifiers
39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . match found in sequence:
aae08375 ; Exendin agonist peptide #22.
(from "seq4ags.pep")
TOIG of: aae08375 check: 706 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08375 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                        Example 21; Page; 161pp; English
                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                 10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                               Young AA;
                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                                                                        WO200151078-A1
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Modified-site
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Modified-site
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                                                             Synthetic
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08375 Length: 39 February 4, 2005 13:19 Type: P Check: 706 Found using 'seq4' (mohamed337.key)
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1
                                                                                                                                            "C-terminal amide"
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39
"Thioproline"
                                                                /note= "Thioproline"
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aae08376; Exemdin agonist peptide #23.
Toffcom "seq4ags.pep")
TOff of: aae08376 check: 458 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 22; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                               09-JAN-2001; 2001WO-US000719
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19-JUL-2001

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Check: 458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P
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HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAXXXS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08376 Length: 39 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
   aae08377 ; Exendin agonist peptide #24.
   fifrom "seq4ags.pep")
   TOIG of: aae08377 check: 706 from: 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08377 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                     Example 23; Page; 161pp; English.
                                                                                       09-JAN-2001; 2001WO-US000719
                                                                                                                     10-JAN-2000; 2000US-0175365P
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                                                                                                                                                   AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                 Young AA;
                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 39 AA;
                              WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Modified-site
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                                                            19-JUL-2001
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/note= "C-terminal amide"

WO200151078-A1

note= "Homoproline"

Modified-site Adified-site

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Check: 706
                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08377 Length: 39 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
aae08378 ; Exendin agonist peptide #25.
[firom 'seq4ags.pep"]
TOIG of: aae08378 check: 458 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08378 standard; peptide; 39 AA
                                                                                                                                                                                                                              Example 24; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-JAN-2001; 2001WO-US000719
                                                                   10-JAN-2000; 2000US-0175365P
                                       09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                               (AMYL-) AMYLIN PHARM INC.
                                                                                                                            Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note=
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                                                                                                                                                        WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 39 AA;
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                                                                                                                             Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08378;
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Use of

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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inciropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; dinretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    'note= "Homoproline"
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TOIG of: aae08380 check: 267 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 match found in sequence:
aae08380 ; Exendin agonist peptide #27
                                                                                                                                                         Example 26; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08380 standard; peptide; 39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Kolterman OG, Young AA;
                      Young
                                                           WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
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                    Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aae08380
  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               aae08379 ; Exendin agonist peptide #26.
(from "seq4ags.pep")
TOIG of: aae08379 check: 267 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08379 standard; peptide; 39 AA
                                                                                                                                                                                                              Example 25; Page; 161pp; English
10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #26.
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                                      (AMYL-) AMYLIN PHARM INC.
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                                                                           Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note=
                                                                                                                  WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200151078-A1
                                                                         Kolterman OG,
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Type: P Check: 267

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gonist, antilipemic; cardiant, triglyceride, inotropic;
coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                            aae08381 ; Exendin agonist peptide #28.
(from "seq4ags.pep")
TOIG of: aae08381 check: 7440 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08381 standard; peptide; 39 AA
                                                                          Example 27; Page; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
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WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   agonist;
                                                                                                                                                                                                                                                                            Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                diuretic;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist, antilipemic, cardiant, triglyceride, inotropic; diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                Check: 7440
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                Type: P
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAAAAS
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                                                                                                                                                                                                                                                                                                                                                                                         . match found in sequence:
aae08382; Exendin agonist peptide #29
(from "eq4ags.pep")
TOIG of: aae08382 check: 7905 from:
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                                Example 28; Page; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Exendin agonist peptide #29
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                                                                                                                                                                                                                                      Sequence 39 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08382;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gonist; antilipemic; cardiant; triglyceride; inotropic;
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                             Check: 7905
                                                                                                                                                                                            AAE08382 Length: 39 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                        to: 39
                                                                                                                                                                                                                                                           HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAAAAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              note= "N-Methyl-alanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            note= "N-Methyl-alanine"
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                                                                                                                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                       aae08383 ; Exendin agonist peptide #30.
(from "seq4ags.pep")
TOIG of: aae08383 check: 7001 from:
                                                                                                                                                                                                                                                                                                                                                                                                       AAE08383 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 30; Page; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        39
/note=
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                                                                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   agonist;
                                                                                                                                                              Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin. Note: The present sequence is not shown in the specification but is derived from SEQ ID NO:3 shown in page 17 of the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-4; antilipemic, cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                               aae08384 ; Heloderma suspectum exendin-4 amide peptide (residues 1-28).
                                                                                                                                                                 Check: 7001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma suspectum exendin-4 amide peptide (residues 1-28).
                                                                                                                                                                 Type: P
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TOIG of: aae08384 check: 700 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                    AAE08384 standard; peptide; 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA;
                                                                                                                                                                                                                                                                                                            match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma suspectum
                                                                                                                                Sequence 39 AA;
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Modified-site
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AAE08385

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                  /note= "C-terminal amide"
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                                                                                                                                                                                                           Location/Qualifiers
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aae08387 ; Exendin agonist peptide #32.
(from "seq4ags.pep")
TOIG of: aae08387 check: 166 from: 1
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                                                                         Exendin agonist peptide #31.
                                    (first entry)
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                                    01-NOV-2001
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                                                                                                                                                                         Synthetic
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AAE08386;
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13X8X4X6X6X6X6X6
                                                                                                                aae08385 ; Heloderma suspectum modified exendin-4 amide peptide (residues 1-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                               Heloderma suspectum modified exendin-4 amide peptide (residues 1-28) #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present sequence is Heloderma suspectum modified exendin-4 amide.
                                                                                                                                                                                                                                                                                                                                                  Exendin-4; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               residues 1-28) which is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
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(from "segdags.pep")
TOIG of: aae08386 check: 249 from: 1
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                                                                                                                                                                                               AAE08385 standard; peptide; 28 AA
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      HGEGTFTSDLSKQMEEEAVRLFIEWLKN 28
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                                                                                                                                      from "seq4ags.pep")
OIG of: aae08385 c
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Modified-site
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                                                                                                                                                                                                                                                                             01-NOV-2001
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Type: P Check: 249

Location/Qualifiers 28

Key Modified-site

AAE08386 standard; peptide; 28 AA

Use of

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                       Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increptic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                     Example 37; Page 60; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        . match found in sequence:
aae08389; Exendin agonist peptide #34.
(from "seq4ags.pep")
TOIG of: aae08389 check: 117 from: 1
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                                                                                                                                                                                                                                                                                                                                                 Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    trigiyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diutetic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum trigiyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial trigiyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                  patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08388 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08388 ; Exendin agonist peptide #33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HGEGAFTSDLSKOLEERAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08387 Length: 28 February 4, ound using 'seq4' (mohamed337.key)
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                                                                                                                       09-JAN-2001; 2001WO-US000719
                                                                                                                                                              10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (from "seq4ags.pep")
TOIG of: aae08388 check: 231
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                                                                                           Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
                                                                                                                                                                                                                                                                                     WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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                                      WO200151078-A1
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                                                                                                                                                                                                                                           Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Found using 'seq4'
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Modified-site
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                                                                               19-JUL-2001
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(first entry)

/note= "C-terminal amide"

Location/Qualifiers

888388

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Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                    aae08391 ; Exendin agonist peptide #36.
(from "seq4ags.pep")
TOIG of: aae08391 check: 63 from: 1
                                                                                                            AAE08391 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                 Exendin agonist peptide #36
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                      match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56
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Modified-site
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                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                             AAE08391;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use
                                                                                                            Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                            Check: 117
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                                                                                                            Type: P
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                                                                                                          28 February 4, 2005 13:19 (mohamed337.key)
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28
                                                                                                                                                                                                                                                                                                       from: 1
                                                                                                                                                                                                                                                                   aae08390 ; Exendin agonist peptide #35.
(from "seq4ags.pep")
TOIG of: aae08390 check: 151 from: 1
                                                                                                                                                                                                                                                                                                                                          AAE08390 standard; peptide; 28 AA
                                                                                                                                                               HGEGTFTADLSKQLEEEAVRLFIEFLKN
28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #35
                                                                                                                                                                                                                                                                                                       151
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                                                                                                                                                                                                                                                  1 match found in sequence:
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                                                                         Sequence 28 AA;
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                                                                                                          AAE08389 Length:
Found using 'seq4'
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I be a sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                        63
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                                                                              Example 40; Page 61; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
ame08392 ; Exendin agonist peptide #37
[from 'seq4ags.pep"]
TOIG of: ame08392 check: 141 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLAKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                        February 4,
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                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08391 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
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Exendin

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                         Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist, antilipemic, cardiant, triglyceride, inotropic; diuretic, coronary heart disease, dyslipidaemia.
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7 'seq4' (mchamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            aae08394; Exendin agonist peptide #39. (from "seq4ags.pep")
TOIG of: aae08394 check: 107 from '
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1
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                 09-JAN-2001; 2001WO-US000719
                                                     10-JAN-2000; 2000US-0175365P
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                                                                                        (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                Kolterman OG, Young AA;
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                                                                                                                                                                  WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
             gonist, antilipemic, cardiant, triglyceride, inotropic,
coronary heart disease, dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
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                                                                                                        Location/Qualifiers
28
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aae08393 ; Exendin agonist peptide #38.
(from "seq4ags.pep")
TOIG of: aae08393 check: 53 from: 1
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                                                                                                                                                                                                                                                                                                                                                                               Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                 agonist;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
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                                                                                                            Key
Modified-site
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Modified-site
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                                     diuretic;
                                                                       Synthetic
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Check: 201

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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
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                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They sesent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                    AAE08394 Length: 28 February 4, 2005 13:19 Type: P Check: 107 Found using 'seq4' (mohamed337.key)
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/note= "C-terminal amide"
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              Example 43; Page 63; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                              check: 201 from: 1
                                                                                                                                                                                                                                                                                                                                                                                          aae08395; Exendin agonist peptide #40. (from "seq4ags.pep")
TOIG of: aae08395 check: 201 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08395 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQAEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA;
                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                                                                      Sequence 28 AA;
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                    triglyceride; inotropic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length: 28 February 4, 2005 13:19 Type: P Check: 197 g 'seq4' (mohamed337.key)
Type: P
                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyce
diuretic; coronary heart disease; dyslipidaemia
                                                                                                                                                                   28
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                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
28 February 4, 2005 13:19 (mohamed337.key)
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to
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                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  aae08397; Exendin agonist peptide #42. (from "seq4ags.pep")
TOIG of: aae08397 check: 193 from: 1
                                                                                                                     match found in sequence:
aae08396 ; Exendin agonist peptide #41
                                                                                                                                                                                                 AAE08396 standard; peptide; 28 AA
                                                          HGEGTFTSDLSKQLAEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                         Exendin agonist peptide #41
                                                                                                                                                                                                                                                           01-NOV-2001 (first entry)
                                                                                                                                                                   check: 197
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TOIG of: aae08396 c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200151078-A1
 AAE08395 Length:
Found using 'seq4'
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; dinretic; coronary heart disease; dyslipidaemia.
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                                                       /note= "C-terminal amide"
        Location/Qualifiers
28
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aae08399; Exemain agonist peptide #44.
[firom "seq4ags.pep"]
TOIG of: aae08339 check: 9921 from:
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                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
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Modified-site
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08397 Length: 28 February 4, 2005 13:19 Type: P Check: 193
Found using 'seq4' (mohamed337.key)
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TOIG of: aae08398 check: 9862 from:
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              AAE08397 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQLEEAAVRLFIEFLKN
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                                                                                                                                     Exendin agonist peptide #42.
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                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA;
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WPI; 2001-514422/56.

Kolterman OG,

WO200151078-A1

19-JUL-2001

Key Modified-site

Synthetic

01-NOV-2001

AAE08397;

1 match found in sequence:

01-NOV-2001

SXXXXXXXXXXXXXXXX

AAE08398;

Synthetic.

Sequence 28 AA;

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Check: 30

28

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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exendin agonist. Exendins have inotropic and diuretic effects. They
             suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for medifying postprandial triglyceride levels, present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                         AAE08400 Length: 28 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aae08401 ; Exendin agonist peptide #46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08401 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                     |-----HGEGTFTSDLSKQLEBEAVRAFIBFLKN
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TOIG of: aae08401 c
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                                                                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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00 ; Exendin agonist peptide #45.
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  (AMYL-) AMYLIN PHARM INC
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                                              Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-514422/56.
                                                                                     WPI; 2001-514422/56
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(from "seq4ags.pep")
TOIG of: aae08400 c
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                                              Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
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match

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels.
                                                                                 Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist, antilipemic, cardiant, triglyceride, inotropic;
diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08403 Length: 28 February 4, 2005 13:19 Type: P Check: 9975 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 28
                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 52; Page 68; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   check: 9991 from: 1
                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08404 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               aae08404 ; Exendin agonist peptide #49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGEGTFTSDLSKQLEEEAVRLFIEFAKN
1
                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                              10-JAN-2000; 2000US-0175365P.
                                            Exendin agonist peptide #48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #49
      01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (from "seq4ags.pep")
TOIG of: aae08404 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                             WO200151078-A1
                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kolterman OG,
                                                                                                                                                                                                                                                                                                 19-JUL-2001.
                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08404;
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        XZZZZZZZZZZZZZZZZZZZZZZZ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08402 Length: 28 February 4, 2005 13:19 Type: P Check: 136 Found using 'seq4' (mohamed337.key)
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                                                                                                                                           to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
28
/note= "C-terminal amide"
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                                                                                                                                           from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aae08403; Exendin agonist peptide #48. (from "seq4ags.pep")
TOIG of: aae08403 check: 9975 from:
                                                                               match found in sequence:
aae08402 ; Exendin agonist peptide #47
(from "seq4ags.pep")
TOIG of: aae08402 check: 136 from: 3
                                                                                                                                                                                AAE08402 standard; peptide; 28 AA
HGEGTFTSDLSKQLEEEAVRLFIAFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKOLEEEAVRLFIEALKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #47.
                                                                                                                                                                                                                                                           01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Modified-site
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Synthetic

AAE08402;

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site

AAE08403 standard; peptide; 28 AA

AAE08403

SEE

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
           Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial trigiveride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood aerum trigilyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial trigilyceride levels. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                               Type: P Check: 9897
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                                                                                                                                                                                                                                                                 AAB08405 Length: 28 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                           Example 54; Page 69; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                             check: 6333 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aae08406 ; Exendin agonist peptide #51
                                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQLEEEAVRLFIEFLKA
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08406 standard; peptide; 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                                                                                                                                                                                                                                   Sequence 28 AA;
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TOIG of: aae08406
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAE08406;
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      check: 9897 from: 1
                                                                                                                                                                                                                                                                      Example 53, Page 69, 161pp, English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aae08405; Exendin agonist peptide #50.
[fcm "seq4ags.pep"]
TOIG of: aae08405 check: 9897 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08405 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKOLEEEAVRLFIEFLAN
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                                                             09-JAN-2001; 2001WO-US000719
                                                                                            10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide #50
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                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                           Young AA;
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                                                                                                                                                                                        WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 28 AA;
WO200151078-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
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                                                                                                                                                         Kolterman OG,
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                             19-JUL-2001
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to: 37

SXS

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Exendin
                                                                                                                                                                                                                                           Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                          check: 3293 from: 1
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                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
  aae08408 ; Exendin agonist peptide #53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
aae08409 ; Exendin agonist peptide #54.
                                                                               AAE08408 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08409 standard; peptide; 37 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                     Exendin agonist peptide #53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #54
                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-514422/56.
                       (from "seq4ags.pep")
TOIG of: aae08408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aae08409 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                             WO200151078-A1
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Modified-site
                                                                                                                                                             01-NOV-2001
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                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                       AAE08408;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08409;
                                                                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They are essent postprandial triglyceride levels.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                 Check: 6333
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                                                                               Type: P
present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                      to: 38
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Found using 'seq4' (mohamed337.key)
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                                                                             2005 13:19
                                                                                                                                                           HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
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                                                                                                                                                                                                                                                                                                      from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                            aae08407 ; Exendin agonist peptide #52.
(from "seq4ags.pep")
TOIG of: aae08407 check: 5894 from:
                                                                                                                                                                                                                                                                                                                                             AAE08407 standard; peptide; 38 AA
                                                                             AAE08406 Length: 38 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #52
                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA;
                                                                                                                                                                                                                                         1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                                       Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200151078-A1
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01-NOV-2001

AAE08407;

Synthetic.

Kolterman OG,

19-JUL-2001

The

Type: P Check: 3293

Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;

1 match found in sequence:

37

<u>ب</u>

The

Check: 333

Type: P

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                         exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have increptic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Dresent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 36
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                                                                                                                                                                                                                                                                                                                                                    2005 13:19
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSGGAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from: 1
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                                                                                                                                                                   Example 59; Page 72; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08411 standard; peptide; 36 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aae08411 ; Exendin agonist peptide #56
                                                                                                                                                                                                                                                                                                                                                    Length: 36 February 4,
3 'seq4' (mohamed337.key)
           10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide #56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 9894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                       (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AA;
                                                                    Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (from "seq4ags.pep")
TOIG of: aae08411
                                                                                                                                                                                                                                                                                                                           Sequence 36 AA;
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Modified-site
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                                                                   Kolterman OG,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAE08411;
                                                                                                                                          levels,
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                                                                                                                                                                                                                                                                                                                                                    AAE08410
for modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                       The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Check: 2854
                                                                                                                                                                                                                                                                                                            of exendin and exendin agonist compounds for models, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Type: P
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08409 Length: 37 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                 /note= "C-terminal amide"
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/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                    Example 58; Page 72; 161pp; English.
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                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 match found in sequence:
   aae08410 ; Exendin agonist peptide #55.
   (from "seq4ags.pep")
   TOIG of: aae08410 check: 333 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08410 standard; peptide; 36 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                               10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                      Young AA;
                                                                                                                                                                                                                                                                               WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 37 AA;
                                                                                                            WO200151078-A1
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Modified-site
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                                                                   Modified-site
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                                                                                                                                       19-JUL-2001
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diuretic;
                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08410;
                                                                                                                                                                                                                                                                                                                            levels,
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                         Check: 9894
                                                                                                                                                                                                         Type: P
                                                                                                                                                                                                                                                                                                                                                                                                  to: 35
                                                                                                                                                                                                       AAE08411 Length: 36 February 4, 2005 13:19
Found-using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
                                                                                                                                                                                                                                                                                                                                                                                                    from: 1
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35
                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aae08412 ; Exendin agonist peptide #57
                                                                                                                                                                                                                                                                                                                                                                                                                                    35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide #57.
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE08412 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                    check: 7453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep")
TOIG of: aae08412 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 35 AA;
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AAE08412 Length: 35 February 4, 2005 13:19 Type: P Check: 7453

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modulating triglyceride
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                                                                                                                                                                                                                                                                                                                    Exendín agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use of exendin and exendin agonist compounds for mod
levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                          to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
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                                              HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
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                                                                                                                                                         check: 7014 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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aae08414 ; Exendin agonist peptide #59.
                                                                                                          1 match found in sequence:
aae08413 ; Exendin agonist peptide #58.
[from "seq4ags.pep")
TOIG Of: aae08413 check: 7014 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08414 standard; peptide; 34 AA
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                        AAE08413 standard; peptide;
                                                                                                                                                                                                                                                                                       Exendin agonist peptide #58
                                                                                                                                                                                                                                                        (first entry)
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TOIG of: aae08414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 35 AA;
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Modified-site
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Found using 'seq4'
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                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
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AAE08414;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
  34
/note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                    Example 64; Page 75; 161pp; English.
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aae08416 ; Exendin agonist peptide #61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08416 standard; peptide; 33 AA.
                                                                                                                                      09-JAN-2001; 2001WO-US000719.
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                                                                                                                                                                                                                                                         Kolterman OG, Young AA;
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TOIG of: aae08416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 34 AA;
                                                            WO200151078-A1
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08416;
    of exendin and exendin agonist compounds for modulating triglyceride sls, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08414 Length: 34 February 4, 2005 13:19 Type: P Check: 5178 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
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                                                                                                                                                                                                                                Location/Qualifiers
34
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aae08415; Exendin agonist peptide #60
(from "seq4ags.pep")
TOIG of: aae08415 check: 4739 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08415 standard; peptide; 34 AA
                                                                                                                                                                                                                                                                                                                                                                                                    09-JAN-2001; 2001WO-US000719
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                                                                                                 Exendin agonist peptide #59
                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                     WO200151078-A1
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Modified-site
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                                                          01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                            19-JUL-2001
                                                                                                                                                                                                 Synthetic
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levels,

Key

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Type: P Check: 4739

to: 33

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significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. present peptide sequence is an agonist of exendin
                                                                Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                               AAE08418;
                                                                                                                                                                                                       aae08418
                                                                                                                                                                                        match
  888888
                                                                                                                                                                                                                                                       Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of exendin and exendin agonist compounds for modulating triglyceride is, and treating heart disease and dyslipidemia.
                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                     AAE08416 Length: 33 February 4, 2005 13:19 Type: P Check: 2764 Found using 'seq4' (mohamed337.key)
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                                                                                      Example 65; Page 76; 161pp; English
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
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33
                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aae08417 ; Exendin agonist peptide #62.
(from "seq4ags pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08417 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin agonist peptide #62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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 Young AA;
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                       WPI; 2001-514422/56.
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                                                                                                                                                                                                                             Sequence 33 AA;
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Modified-site
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Kolterman OG,
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist, antilipemic; cardiant; triglyceride; inotropic; duretic; coronary heart disease; dyslipidaemia.
AAE08417 Length: 33 February 4, 2005 13:19 Type: P Check: 2325 Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                (from "seq4ags.pep")
TOIG of: aae08418 check: 25 from: 1
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
                                                                                                                                                                                                                                                               found in sequence:
18 ; Exendin agonist peptide #63
                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08418 standard; peptide; 32 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin agonist peptide #63
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; dinretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08420 Length: 31 February 4, 2005 13:19 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
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                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aae08421; Exendin agonist peptide #66.
(from "seq4ags.pep")
TOIG of: aae08421 check: 6930 from:
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP
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Exendin agonist peptide #65
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                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 31 AA;
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Modified-site
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Modified-site
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                                                                                                   Synthetic.
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    modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and duretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They present plasma to make the sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08419 Length: 32 February 4, 2005 13:19 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Use of exendin and exendin agonist compounds for mod
levels, and treating heart disease and dyslipidemia.
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aae08420; Exendin agonist peptide #65.
(from "seq4ags.pep")
TOIG of: aae08420 check: 7369 from:
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                                                              aae08419 ; Exendin agonist peptide #64.
                                                                                                                                             AAE08419 standard; peptide; 32 AA
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                                              match found in sequence:
                                                                                    (from "seq4ags.pep")
TOIG of: aae08419
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                           Synthetic.
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2XXX2X

Check: 4450

19-JUL-2001

Kolterman OG,

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                 2005 13:19 Type: P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
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                                           Example 71; Page 79; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  agonist peptide #68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08423 standard; peptide; 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
                                                                                                                                                                                                                                                                                                                                 AAE08422 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #68
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 2759
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq4ags.pep")
TOIG of: aae08423 c
                                                                                                                                                                                                                                                                                        Sequence 30 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
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                                                                                                                                                                                                                                                                                                                            AAE08422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       aae08423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match
  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of exendin and exendin agonist compounds for modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They execut peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08421 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 check: 4450 from: 1
                                                                                                                                                                                                                                                                                                                                 Example 70; Page 79; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    aae08422 ; Exendin agonist peptide #67.
(from "seq4ags.pep")
TOIG of: aae08422 check: 4450 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
                                           09-JAN-2001; 2001WO-US000719
                                                                                      10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                09-JAN-2001; 2001WO-US000719
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                                                                                                                                 (AMYL-) AMYLIN PHARM INC
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                                                                                                                                                                             Young AA;
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                                                                                                                                                                                                                   WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 31 AA;
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Modified-site
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01-NOV-2001

AAE08422;

match

Synthetic.

Kolterman OG,

19-JUL-2001

to: 38

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Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
TOIG of: aae08425 check: 7469 from: 1
                               AAE08425 standard; peptide; 38
                                                                                                                              Exendin agonist peptide #70
                                                                                            01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                       WO200151078-A1
                                                                                                                                                                                                                                                        Modified-site
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                                                                                                                                                                                                                                                                                                                                                        Modified-site
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                                                                                                                                                                                                           Synthetic.
                                                               AAE08425;
                                 Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They
                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                              AAE08423 Length: 29 February 4, 2005 13:19 Type: P Check: 2759 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
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to:
                                                                                                                                                                                                           check: 2320 from: 1
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                                                                                                                                                            match found in sequence:
aae08424 ; Exendin agonist peptide #69.
                                                                                                                                                                                                                                           AAE08424 standard; peptide; 29 AA
                                                                                              HGEGTFTSDLSKOMEEEAVRLFIEWLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29 February 4,
(mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide #69
                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA;
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                                                                                                                                                                                             (from "seq4ags.pep")
TOIG of: aae08424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 29 AA;
 Sequence 29 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                           AAE08424;
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/note= "Thioproline; C-terminal amide"

note= "Thioproline" "Thioproline" note= "Thioproline"

note=

Location/Qualifiers

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Type: P Check: 7469
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                    Example 74; Page 81; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aae08426 ; Exendin agonist peptide #70.
(from "seq4ags.pep")
TOIG of: aae08426 check: 7221 from:
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09-JAN-2001; 2001WO-US000719.
                                                         10-JAN-2000; 2000US-0175365P.
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                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                   Kolterman OG, Young AA;
                                                                                                                                                                                                                                                WPI; 2001-514422/56.
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1 match found in sequence:
aae08425 ; Exendin agonist peptide #70.
(from "seq4ags.pep")

HGEGTFTSDLSKQLEEEAVRLFIEFLKNG

Synthetic

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuteric effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 37
                                                         /note= "C-terminal amide"
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                      "N-Methyl-alanine"
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 76; Page 82; 161pp; English.
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aee08428 ; Exendin agonist peptide #73.
(from "seq4ags.pep")
TOIG of: aae08428 check: 1733 from:
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                                                                                                                                                                              09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
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31
/note= "
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                                                                                                                                                                                                                                                                                                  Young
                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200151078-A1
                                                                                                WO200151078-A1
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Modified-site
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                                         Modified-site
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  exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The sequence is an agonist of exendin
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                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; dinretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08426 Length: 38 February 4, 2005 13:19 Type: P Check: 7221
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                             /note= "Thioproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 37
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                                                                                                                                                                                                 note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
                                                                                                                                                                                                                                        note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 75; Page 82; 161pp; English
                                                                                                                                                        Location/Qualifiers
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aae08427 ; Exendin agonist peptide #72.
(from "seq4ags.pep")
TOIG of: aae08427 check: 2828 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P
                      Exendin agonist peptide #70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAE08427 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                      WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kolterman OG,
                                                                                                                                                                              Modified-site
                                                                                                                                                                                                                 Modified-site
                                                                                                                                                                                                                                                      Modified-site
                                                                                                                                                                                                                                                                                                                                                         19-JUL-2001
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levels,

Use of

Synthetic

Key

AAE08427;

#X8X#X#X#X#X#

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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                                                                                                                        AAE08430;
                                                                                                                                                                                                                                        1 match
exendin and exendin agonist compounds for modulating triglyceride , and treating heart disease and dyslipidemia.
                                                                                                                                         The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                  gonist, antilipemic; cardiant, triglyceride; inotropic;
coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                AAE08428 Length: 37 February 4, 2005 13:19 Type: P Check: 1733 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Homoproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                       to: 37
                                                                                                                                                                                                                                                                              |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                       from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      'note= "Homoproline"
                                                                                                                       Example 77; Page 83; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                         l match found in sequence:
aae008429; Exendin agonist peptide #74.
(from "seq4ags.pep")
TOIG of: aae08429 check: 4125 from:
                                                                                                                                                                                                                                                                                                                                                                         37 AA
                 10-JAN-2000; 2000US-0175365P
09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #74
                                                                                                                                                                                                                                                                                                                                                                         AAE08429 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
                                                      Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   agonist;
                                                                                                                                                                                                                              Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200151078-A1
                                                       Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                              01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                            diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                            AAE08429
                                                                                                       levels,
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin
                                                                                            Use of
                                                                                                                                                                                                                                                                                                                           1 match
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Type: P Check: 4125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "Homoproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08429 Length: 37 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
                                                                                                             Example 78; Page 84; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 79; Page 84; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . match found in sequence:
aae08430 ; Exendin agonist peptide #75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ¥
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08430 standard; peptide; 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (from "seq4ags.pep
TOIG of: aae08430
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Key
Modified-site
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Fri Feb

AAE08430

888388

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ound in sequence:
; Exendin agonist peptide #77.
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HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE08433 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #78.
                                                                                                                                                                                                      Exendin agonist peptide #77
                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kolterman OG, Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-514422/56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq4ags.pep")
TOIG of: aae08433  c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                           WO200151078-A1
                                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                      01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                            19-JUL-2001.
                    found in
                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                       AAE08432;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE08433;
                                      aae08432
                   match
                                                                                                      Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                   The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and directic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and existing and for modifying postprandial triglyceride levels. They are used to a second triglyceride sequence is an agonist of exendin
concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. Present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Check: 7463
                                                                                                   Length: 36 February 4, 2005 13:19 Type: P Check: 869
ig 'seg4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length: 35 February 4, 2005 13:19 Type: P
9 '8eq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                         to: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                                                                                                                                                     HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
1
                                                                                                                                                                                                                                                                                       check: 7463 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                     1 match found in sequence:
aae08431 ; Exendin agonist peptide #76.
(from "seq4ags.pep")
TOIG of: aae08431 check: 7463 from:
                                                                                                                                                                                                                                                                                                                        AAE08431 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #76.
                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 35 AA;
                                                                     Sequence 36 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200151078-A1
                                                                                                                      Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                           01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-JUL-2001
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Synthetic

using

AAE08431 Found

AAE08431;

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diurelic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. I present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Type: P Check: 4886
                                        30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08432 Length: 30 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                            ä
(from "seq4ags.pep")
TOIG of: aae08432 check: 4886 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 81; Page 86; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from: 1
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                                                                                                                    AAE08432 standard; peptide; 30 AA
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The

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gonist, antilipemic, cardiant, triglyceride, inotropic;
coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length: 28 February 4, 2005 13:19 Type: P Check: 693
9 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      t0:
                                                                                                                                                                                                                                                                                               Example 83; Page 87; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aae08435 ; Exendin agonist peptide #80.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08435 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFSSDLSKQMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-JAN-2001; 2001WO-US000719.
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                                                    09-JAN-2001; 2001WO-US000719
                                                                                       10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check: 701
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                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG, Young AA;
                                                                                                                                                                    Ä
                                                                                                                                                                  Young
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                                                                                                                                                                                                     WPI; 2001-514422/56.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep"
TOIG of: aae08435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA
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                                                                                                                                                                    Kolterman OG,
               19-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diuretic;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
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               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                     "C-terminal amide"
                                                                                                                                                'note= "Naphthylalanine"
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28
                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L match found in sequence:
aae08434; Exendin agonist peptide #79.
(from "seq4ags.pep")
TOIG Of: aae08434 check: 693 from: 1
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and divretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         agonist; antilipemic; cardiant; triglyceride; inotropic; c; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                      AAE08435 Length: 28 February 4, 2005 13:19 Type: P Check: 701
Found using 'seq4' (mohamed337.key)
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to:
                                                      Example 84; Page 87; 161pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         check: 649 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                              aae08436; Exendin agonist peptide #81.
(from "seq4ags.pep")
TOIG of: aae08436 check: 649 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08436 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                               |------|
HGEGTFSTDLSKQMEEEAVRLFIEWLKN
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/note= '
                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
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                                                                                                                                                                                                                                                       Sequence 28 AA;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                           AAE08436 Length: 28 February 4, 2005 13:19 Type: P Check: 649 ound using 'seq4' (mohamed337.key)
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                 from: 1
                                                                                                                                                                1 match found in sequence:
aae08437 ; Exendin agonist peptide #82
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                                                                                                      HGEGTFTSELSKOMAEEAVRLFIEWLKN
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                                                                                                                                                                                                                                                                                                                                          Exendin agonist peptide #82
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                                                                                                                                                                                                (from "seq4ags.pep")
            Sequence 28 AA;
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                                                           Found using 'seq4'
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
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                              Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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                                                                                                                                                                    "Tertiary-butylglycine"
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aae08440 ; Exendin agonist peptide #85.
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Found using 'seq4' (mohamed337.key)
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Exendin agonist peptide #84.
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TOIG of: aae08440  c
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exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
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                                                                                                                                                                                                                                            Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
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. match found in sequence:
aae08438 ; Exendin agonist peptide #83.
(from "seq4ags.pep")
TOIG of: aae08438 check: 657 from: 1
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aae08439; Exendin agonist peptide #84.
(from "seq4ags.pep")
TOIG of: aae08439 check: 1045 from:
                                                                                            AAE08438 standard; peptide; 28 AA
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                                                                                                                                                                                                         Exendin agonist peptide #83
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                                                                                                                                   AAE08438;
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levels,

UXXXXXX

Use of

The

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exendin and exendin agonist compounds for modulating triglyceride and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         modulating triglyceride
                                                                                                  The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist, antilipemic, cardiant, triglyceride, inotropic;
diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                        Type: P Check: 2215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of exendin and exendin agonist compounds for mod
levels, and treating heart disease and dyslipidemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                        AAE08441 Length: 33 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 91; Page 91; 161pp; English.
                                                                             Example 90; Page 91; 161pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDASKOLEERAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aeo8442; Exendin agonist peptide #87.
[from "seq4ags.pep"]
TOIG of: aae08442 check: 2649 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          $
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        53
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08442 standard; peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist peptide #87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                       Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200151078-A1
                                   levels, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAE08442;
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  exendin and exendin agonist compounds for modulating triglyceride, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                            The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They resent peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Check: 237
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE08440 Length: 28 February 4, 2005 13:19 Type: P
Pound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              33
/note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check: 2215 from: 1
                                                                                                                                                                                                                                                                                                                                             Example 89; Page 90; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08441 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDLSKQLEEEBAVRLFIDFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-JAN-2000; 2000US-0175365P
                                                                             09-JAN-2001; 2001WO-US000719
                                                                                                                     10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                             (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA;
                                                                                                                                                                                                  Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56
                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seg4ags.pep")
TOIG of: aae08441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO200151078-A1
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Modified-site
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                                                                                                                                                                                                  Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-NOV-2001
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                                     19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08441;
                                                                                                                                                                                                                                                                                                           levels,
                                                                                                                                                                                                                                                                                    Use of
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to: 28

SXS

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                          Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2005 13:19
                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
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                                                                                                                          check: 249 from: 1
                                                                                                                                                                AAE08445 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aae08449 ; Exendin agonist peptide #94.
                                                                                  aae08445 ; Exendin agonist peptide #90
  28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGAGTFTSDLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08449 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28 February 4, (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                      Exendin agonist peptide #90
                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kolterman OG, Young AA;
                                                           found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence
                                                                                                       (from "seq4ags.pep")
TOIG of: aae08445 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (from "seq4ags.pep")
TOIG of: aae08449
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAE08445 Length:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Found using 'seg4'
                                                                                                                                                                                                                                                01-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                          AAE08445;
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                                                               match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 axxxa
axxa
                                                                                                                                                                  modulating triglyceride
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  triglycerid and other lingle levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for medifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The patent discloses a method for modulating plasma or postprandial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                    Check: 2649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Type: P Check: 4015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "Homoproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exendin and exendin agonist compounds for moc, and treating heart disease and dyslipidemia.
                                                                                    Type: P
present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                           to: 37
                                                                                  AAE08442 Length: 29 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08443 Length: 37 February 4, 2005 13:19
ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                           from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                'note= "Homoproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 92; Page 92; 161pp; English
                                                                                                                                                                                                                                            1 match found in sequence:
aae08443; Exendin agonist peptide #88
(from "seq4ags.pep")
TOIG Of: aae08443 check: 4015 from:
                                                                                                                                                                                                                                                                                                                                                   AAE08443 standard; peptide; 37 AA
                                                                                                                                               |-----|
HGEGTFTSDASKQMEEEAVRLFIEWLKNG
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-JAN-2001; 2001WO-US000719
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #88
                                                                                                                                                                                                                                                                                                                                                                                                                                 01-NOV-2001 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 37 AA;
                                            Sequence 29 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200151078-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kolterman OG,
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Modified-site

Synthetic

AAE08443;

Modified-site

19-JUL-2001

levels,

Use of

Check: 249

Type: P

to: 28

01-NOV-2001 (first entry)

HGEGTFTSDASKQMEEEAVRLFIEWLKNGGXSSGAXX

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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                        The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have incrropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They be a sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length: 28 February 4, 2005 13:19 Type: P Check: 590 3 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                        Example 103; Page 99; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           check: 5882 from: 1
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28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aee08512 ; Exendin agonist peptide #157.
(from *seq4ags.pep")
TOIG of: aae08512 check: 5882 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08512 standard; peptide; 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        HGEGTFTSDASKOMEEEAVRLFIEWLKN
                                                    09-JAN-2001; 2001WO-US000719
                                                                                          10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide #157.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           09-JAN-2001; 2001WO-US000719
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                                                                                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA;
                                                                                                                                                                                                        WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-514422/56,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                      Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-NOV-2001
                  19-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE08512;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08452
X8X5X5X5X5X5X555X6X55X6X5XXXXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAE08449 Length: 28 February 4, 2005 13:19 Type: P Check: 688 ound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                      /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 100; Page 97; 161pp; English
                                                                                                                                        Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
   aae08452 ; Exendin agonist peptide #97.
   (from "seq4ags.pep")
   TOIG of: aae08452 check: 590 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAE08452 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGAGTFTSDLSKOMEEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                      09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                            10-JAN-2000; 2000US-0175365P
                Exendin agonist peptide #94.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin agonist peptide #97
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                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                          WO200151078-A1
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Modified-site
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                                                                                                                                                                                                                                                                19-JUL-2001
                                                                                                            Synthetic
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seq4_ags.res

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Use of exendin and exendin agonist compounds for modulating triglyceride
levels, and treating heart disease and dyslipidemia.
Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                    The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. They accommend the present place is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coroneary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist, antilipemic, cardiant, triglyceride, inotropic, diuretic, coronary heart disease, dyslipidaemia.
                                                                                                                                                                                                                                                                                                   Check: 5882
                                                                                                                                                                                                                                                                                                 AAE08512 Length: 38 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                        HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 168; Page 137; 161pp; English.
                                                       163; Page 134; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aae08517 ; Exendin agonist peptide #162.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAE08517 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10-JAN-2000; 2000US-0175365P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist peptide #162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        check: 7002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-514422/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq4ags.pep")
TOIG of: aae08517 c
                                                                                                                                                                                                                                                                Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200151078-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE08517;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAE08521 Length: 32 February 4, 2005 13:19 Type: P Check: 9574 ound using '8eq4' (mohamed337.key)
                                             Type: P Check: 7002
                                                                                                                                                                                                                          to: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "C-terminal amide"
                                             AAE08517 Length: 35 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 172; Page 140; 161pp; English.
                                                                                                          HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
                                                                                                                                                                                                                            from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . match found in sequence:
aae08525 ; Exendin agonist peptide #170.
                                                                                                                                                                              natch found in sequence:
aae08521 ; Exendin agonist peptide #166.
(from "seq4ags.pep")
TOIG of: aae08521 check: 9574 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                                                                          AAE08521 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                             Exendin agonist peptide #166.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                            01-NOV-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-514422/56.
                Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 32 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                              AAE08521;
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Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inctropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The sequence is an agonist of exendin
                                                                                  Exendin agonist; antilipemic; cardiant; triglyceride; inotropic; diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 180; Page 145; 161pp; English.
                                                                                                                                                                                        Location/Qualifiers
                                          Exendin agonist peptide #174.
                                                                                                                                                                                                                                                                                                                                                                   09-JAN-2001; 2001WO-US000719.
                                                                                                                                                                                                                                                                                                                                                                                                         10-JAN-2000; 2000US-0175365P.
  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ä,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-514422/56.
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TOIG of: aae14425 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 35 AA;
                                                                                                                                                                                                                                                                               WO200151078-A1
                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kolterman OG,
  01-NOV-2001
                                                                                                                                                                                                                                                                                                                         19-JUL-2001
                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAE14425;
  Use of exendin and exendin agonist compounds for modulating triglyceride levels, and treating heart disease and dyslipidemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The patent discloses a method for modulating plasma or postprandial triglyceride and other lipid levels by administering exendin or an exendin agonist. Exendins have inotropic and diuretic effects. They suppress the secretion of glucagon. Exendin and its agonists have a significant effect on the reduction of blood serum triglyceride concentrations. They are used to treat coronary heart disease and dyslipidaemia, and for modifying postprandial triglyceride levels. The present peptide sequence is an agonist of exendin
                                                                                                                                                                                                                                       Exendin agonist; antilipemic; cardiant; triglyceride; inotropic;
diuretic; coronary heart disease; dyslipidaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAE08525 Length: 38 February 4, 2005 13:19 Type: P Check: 7457 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "Thioproline; C-terminal amide"
                        to: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HGAGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 176; Page 142; 161pp; English.
                                                                                                                                                                                                                                                                                                                                                                                       note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'note= "Thioproline"
                                                                                                                                                                                                                                                                                                                                                                                                                               'note= "Thioproline"
                        from: 1
                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
aae01829; Exendin agonist peptide #174.
(from "seq4ag, pep")
TOIG of: aae08529 check: 7441 from: 1
                                                                AAE08525 standard; peptide; 38 AA
                                                                                                                                                                                            Exendin agonist peptide #170.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  09-JAN-2001; 2001WO-US000719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-JAN-2000; 2000US-0175365P
                      check: 7457
                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA;
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(from "seq4ags.pep")
TOIG of: aae08525 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200151078-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kolterman OG,
                                                                                                                                                                                                                                                                                                                                                                   Modified-site
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                                                                                                                                                    01-NOV-2001
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                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                          AAE08525
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Acute coronary syndrome, ACS, Q-wave myocardial infarction, Q-wave MI; angina; non-Q-wave cardiac necrosis; ischaemic heart disease; congestive heart failure; heart murmur; troponin I; troponin I; creatine kinase myocardial iscenzyme; CK-MB; ST-segment; chest pain; nausea; palpitation; dizziness; angioplasty; pulmonary oedema; peripheral oedema; extrasyscole; arterial fibrillation; arthythmia; diabetes; hypertension; hypercholesterolaemia; hyperlipidaemia; obesity; smoking; impaired glucose tolerance; blood glucose; thrombolytic therapy; cardiac distress; glucagon-like peptide-1; GLP-1 homolog; Gila monster;
AAE08529 Length: 35 February 4, 2005 13:19 Type: P Check: 7441 Found using 'seq4' (mohamed337.key)
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HGAGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGA
                                                                                                                                                                                                 match found in sequence:
aae14425 ; Gila monster exendin 3 peptide.
                                                                                                                                                                                                                                                                        from: 1
                                                                                                                                                                                                                                                                                                                     AAE14425 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gila monster exendin 3 peptide.
                                                                                                                                                                                                                                                                        check: 9591
                                                                                                                                                                                                                                                                                                                                                                                                                   26-MAR-2002 (first entry)
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to: 35

check: 7441 from: 1

AAE08529 standard; peptide; 35 AA

AAE08529

SXXX

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Location/Qualifiers
39
/note= "C-terminal amide"
                                      19-MAY-2000; 2000US-0205239P.
                                18-MAY-2001; 2001WO-US015996
                                           (BION-) BIONEBRASKA INC
     Heloderma suspectum.
                     WO200189554-A2
             Modified-site
                           29-NOV-2001
exendin 3.
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New method of treating patients suffering from acute coronary syndrome, but not suffering from Q wave myocardial infarction involves the use of glucagon-like peptide-1 derivatives. WPI; 2002-089892/12.

Coolidge TR, Ehlers M;

Disclosure, Page 15; 38pp; English.

The invention relates to a novel method of treating patients suffering from acute coronary syndrome (ACS) and not from Q-wave myocardial infarction (Q-wave MI) that involves administering a glucagon-like infarction (Q-wave MI) that involves administering a glucagon-like peptide-1 (GLP-1) molecule to the patients. The method is also useful for treating patients suffering from stable/unstable angina, non-Q-wave cardiac necrosis, ischaemic heart disease or at a risk of developing ischaemic heart disease, cardiac abnormalities including congestive heart failure, worsening heart murmur (due to mitral regurgitation and cardiac conduction disturbances); for treating patients who have a blood troponin of 1 mg/ml; do not have elevated blood troponin T level of no more than CC ilevel of less than 0.4 mg/ml and blood troponin T level of no more than ST-segment elevation, do not exhibit a pathological Q-wave, exhibit and ST-segment elevation, do not exhibit a pathological Q-wave, exhibit construction symptoms such as chest pain grateer than 15 minutes in duration, chest pain at rest or chest pain following minimal exertion (that is poorly responsive to sublingual nitrates), nausea, shortness of breath, palpitation and diziness and have not suffered from a Q-wave myocardial confirmation and diziness and have not suffered from a Q-wave myocardial confirmation of glp-1 compound is further useful in angioplasty, for treating patients showing symptoms of pulmonary and peripheral oedema, atrial or ventricular extrasystoles, arterial fibrillation and other arrhythmias; and those suffering from diabetes, hypertension, hypercholesterolaemia, hyperlipidaemia, obesity and smoking. The administration of GLP-1 chaycardial infarction (QMI) ameliorates the tissue damage of using GLP-1 molecules is that high doses up to 10 mmol/kg consequent hypogolycaemia and hyperglycaemia and hyperglycaemia and hyperglycaemia and hyperglycaemia and elevated or abertand plucose metabolism in individuals including those consequence properming in individu oecomes effective following the first symptom of cardiac distress. The present sequence is Gila monster exendin 3 peptide which is homologous to paired glucose tolerance and elevated or aberrant blood glucose The molecule increases the time during which thrombolytic therapy mammalian GLP-1 peptide evels.

Sequence 39 AA;

AAE14425 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

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HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
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1 match found in sequence:

39 t0: ; Gila monster exendin 4 peptide from: 1 check: 9570 (from "seq4ags.per TOIG of: aae14427

39 AA AAE14427 standard; peptide;

AAE14427;

26-MAR-2002 (first entry)

Gila monster exendin 4 peptide.

Acute coronary syndrome; ACS; Q-wave myocardial infarction; Q-wave MI; angina; non-Q-wave cardiac necrosis; ischaemic heart disease; congestive heart failure; heart murmur; troponin I; troponin T; creatine wrocardial isoenzyme; CK-MB; ST-segment; chest pain; nausea; palpitation; dizziness; angioplasty; pulmonary oedema; peripheral oedema; extrasystole; arterial fibrillation; arrhythmia; diabetes; hypertension; hypercholesterolaemia; hyperlipidaemia; obesity; amcking; impaired glucose tolerance; blood glucose; thrombolytic therapy; cardiac distress; glucagon-like peptide-1; GLP-1 homolog; Gila monster; exendin 4.

Heloderma suspectum.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO200189554-A2

29-NOV-2001.

18-MAY-2001; 2001WO-US015996.

19-MAY-2000; 2000US-0205239P.

(BION-) BIONEBRASKA INC.

Ehlers M; Coolidge TR,

WPI; 2002-089892/12.

New method of treating patients suffering from acute coronary syndrome, but not suffering from Q-wave myocardial infarction involves the use of glucagon-like peptide-1 derivatives.

Disclosure; Page 15; 38pp; English.

The invention relates to a novel method of treating patients suffering from acute coronary syndrome (ACS) and not from Q-wave myocardial from acute coronary syndrome (ACS) and not from Q-wave myocardial thanks. According to the patients. The method is also useful for peptide-1 (GLP-1) molecule to the patients. The method is also useful for creating patients suffering from stable/unstable angina, non-Q-wave creating patients necrosis, ischaemic heart disease, cardiac abnormalities including congestive heart ischaemic heart disease, cardiac abnormalities including congestive heart fallure, worsening heart murmur (due to mitral regurgitation and cardiac fallure, worsening heart murmur (due to mitral regurgitation and cardiac conduction disturbances); for treating patients who have a blood troponin I level of less than 0.4 ng/ml and blood croponin T level of less than 0.4 ng/ml and blood creatine kinase myocardial enzyme conduction, and the superior disturbances in the consecration, do not exhibit a pathological Q-wave, exhibit pain or symptoms such as chest pain greater than 15 minutes in duration, chest pain or symptoms to sublingual nitrates), namesa, shortness of breath, proprietion and dizziness and have not suffered from a Q-wave myocardial infarction prior to the onset of the symptoms, and having normal ECG. The showing symptoms of pulmonary and peripheral cedema, atrial or showing symptoms of pulmonary and peripheral cedema, atrial or chest suffering from diabetes, hypertension, hypercholestrolaemia, chestivally and smoking. The administration of GLP-1 chestic plant from the QMI and subsequent reperfusion-induced injury. An experiuse that results from the QMI and subsequent reperfusion-induced injury. An

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advantage of using GLP-1 molecules is that high doses can be used without consequent hypoglycaemia and hyperglycaemia. Thus doses up to 10 nmol/kg can be used without adverse effects, as the action of the molecules are ideal for optimising glucose metabolism in individuals including those with impaired glucose tolerance and elevated or aberrant blood glucose with impaired glucose tolerance and elevated or aberrant blood glucose levels. The molecule increases the time during which thrombolytic therapy becomes effective following the first symptom of cardiac distress. The present sequence is Gila monster exendin 4 peptide which is homologous to mammalian GLP-1 peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig; therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
                                                                                                                                                                                               AAE14427 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                             AAE30912 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                          aae30912 ; Exendin-3 peptide (7-45).
(from "seq4ags.pep")
TOIG of: aae30912 check: 9591 from
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                                                                                                                                                                                                                                                                                                                              match found in sequence:
                                                                                                                                                                  Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200246227-A2.
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a very terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLD-1) compound and the second is a human albumin or its analogue or fragment, or the PC portion of an immunoglobulin (1g) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present sequence is exendin-4 peptide used in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        dependent diabetes mellitus or obesity, comprises a glucagon-like peptide
1 compound fused to human albumin or to the Fc portion of an
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Type: P Check: 9591
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                                                                                                                                                                                                                                                        AAE30913 standard; peptide; 39 AA
                                                                                                                                                                         aae30913 ; Exendin-4 peptide (7-45). (from "seq4ags.pep")
TOIG of: aae30913 check: 9570 from
    AAE30912 Length: 39 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                       match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unidentified.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     exendin-4.
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1 match found in sequence: aae30920 ; Exendin-4-linker-human serum albumin (HSA) fusion protein.

The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-1) compound and the second is a human albumin or its analogue or fragment, or the FC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present

Disclosure; Page 31; 200pp; English.

sequence is exendin-3 peptide used in the invention

Sequence 39 AA,

24-FEB-2003

AAE30920;

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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-I) compound and the second is a human albumin or its analogue or fragment, or the FC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with non-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present
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                                                                                                                                       Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
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Found using 'seq4' (mohamed337.key)
                                                                                             Exendin-4-Immunoglobulin G1 (IgG1) fusion protein.
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                                               (first entry)
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                                                                                                                                                                                               fusion protein
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                                                                                                                                                                                                                                            Homo sapiens.
Unidentified.
                                               24-FEB-2003
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AAE30932;
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EXXXXEXE
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                                                                                                                                                                                                                                                              Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig; therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an immunoglobulin.
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TOIG of: aae30932 check: 5210 from: 1 to: 272
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                         from: 1
                                                                      AAE30920 standard; protein; 640 AA.
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(from "seq4ags.pep")
TOIG of: aae30920 check: 3586
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Unidentified.
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Glaesner W,

AAE30920 Found

61

13-JUN-2002

Chimeric.

Tschang SR;

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29-NOV-2001; 2001WO-US043165.
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Modified-site
 Homo sapiens.
Unidentified.
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                        Chimeric.
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                                                                                                                                                                                                                                                                                 Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
fusion protein.
            glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
y; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic;
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f: aae30934 c
                                     fusion protein
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                                                                                                          WO200246227-A2
                                                            Homo sapiens.
Unidentified.
Chimeric.
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                         therapy;
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              Human;
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-I) compound and the second is a human albumin or its analogue or fragment, or the PC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with mon-insulin diabetes mallitus or obsesty, or for the manufacture of medicament for treating the above mentioned diseases. The present
Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |-----|
HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPSGGGGSGGGGGGABPKSC
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aae30937 ; Human GLP/exendin peptide analogue #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                check: 7369 from: 1
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                                                                                                                                                                                              Example 6; Page 85; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAE30937 standard; peptide; 31 AA
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'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-FEB-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 287 AA;
                                                                                                                       immunoglobulin
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TOIG of: aae30937
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The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-1) compound and the second is a human albumin or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with medicament for treating the above mentioned diseases. The present sequence is human GLP/exendin peptide analogue
                                                                                                                                   Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide compound fused to human albumin or to the Fc portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Beta cell degeneration, GLP-1; glucagon-like peptide-1; agonist; antiapoptotic; cytostatic; immunosuppressive; neuroprotective; nootropic; anti-HIV; antiParkinsonian; cerebroprotective; antidiabetic; stroke; type 2 diabetes; cancer; immunological disorder; multiple sclerosis; acquired immunodeficiency syndrome; AlDS; neurodegenerative disorder; Alzheimer's disease; Parkinson's disease; exendin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Type: P Check: 9570
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                              Tschang SR;
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aag62439 ; Exendin polypeptide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           10-NOV-2000; 2000WO-DK000625.
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22-FEB-2000; 2000DK-00000270.
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                                              Glaesner W, Micanovic R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /label=
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(ELIL ) LILLY & CO ELI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin polypeptide #1.
                                                                                        WPI; 2003-018534/01
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TOIG of: aag62439 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
                                                                                                                                                                                                         immunoglobulin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25-MAY-2001
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  The invention relates to a heterologous fusion protein comprising a first polypeptide fused to a second polypeptide, where the polypeptides has a N-terminus and a C-terminus and the first polypeptide is a glucagon -like peptide I (GLP-1) compound and the second is a human albumin or its analogue or fragment, or the FC portion of an immunoglobulin (Ig) or its analogue or fragment, where the C-terminus of first polypeptide is fused to the N-terminus of the second polypeptide. The invention is useful for normalising blood glucose levels in mammal, for treating a patient with non-insulin diabetes mellitus or obesity, or for the manufacture of medicament for treating the above mentioned diseases. The present
                                                                                                                                                                                                                                                                                                              Novel heterologous fusion protein, useful for treating non-insulin dependent diabetes mellitus or obesity, comprises a glucagon-like peptide 1 compound fused to human albumin or to the Fc portion of an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human, glucagon-like peptide 1; GLP-1; albumin; immunoglobulin; Ig;
therapy; non-insulin diabetes mellitus; obesity; antidiabetic; anorectic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAE30937 Length: 31 February 4, 2005 13:20 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       sequence is human GLP/exendin peptide analogue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aca30938; Human GLP/exendin peptide analogue #2.
(from "seq4ags.pep")
TOIG of: aca30338 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
                                                                                                                                                                                                                              Tschang SR;
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39
                                                                                                                                                                                                                                                                                                                                                                                                                                Example 6; Page 90; 200pp; English.
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                                                                                        29-NOV-2001; 2001WO-US043165.
                                                                                                                                     07-DEC-2000; 2000US-0251954P.
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                                                                                                                                                                                                                              Micanovic R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                 (ELIL ) LILLY & CO ELI
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                                                                                                                                                                                                                                                                                                                                                                                    immunoglobulin.
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  WO200246227-A2
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Modified-site
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                                            13-JUN-2002
                                                                                                                                                                                                                              Glaesner W,
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AA019591;
                                                                                                                                                                                               therapy
This invention relates to a method of treating beta cell degeneration through the administration of a GLP-1 (glucagon-like peptide-1) agonist. Use of the method results in antiapptotic; cytostatic; immunosuppressive; neuroprotective; noctropid; anti-HV (human immunodeficiency virus); antiParkinsonian; cerebroprotective; and antidabetic activity. The claims refer to the use of a specific GLP-1 analogue Arg34, Lys26 (N-epsilon-(gamma-Glu(N-alpha-hexadecanoy)))-GLP-1 (7-37). The method is used for the treatment of beta cell degeneration, particularly apoptosis of beta cells. The GLP-1 agonist is used to modulate, inhibit, decrease or prevent beta cell degeneration, loss of beta cell function and/or death of beta cells, such as necrosis or apoptosis of defect and subjects preferably mammals, especially humans. The apoptosis is associated with type 2 diabetes, cancer, immunological disorders, multiple sclerosis, acquired immunodeficiency syndrome (ALDS),
                                                                                                                                                                                                                                                                     and neurodegenerative disorders such as Alzheimer's disease, stroke and Parkinson's disease. The present sequence represents an exendin polypeptide, an GLP-1 agonist which can be used in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin-1; pituitary adenylate cyclase activating peptide; PACAP; antidiabetic; antidatehut; attulcer; respiratory disease; diabetes; glucose intolerance; asthma; male fertility; cardiovascular disease; ulcer; gene therapy;
                                   Treating beta cell degeneration in subjects, particularly humans, involves administering GLP-1 agonists.
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                                                                        Disclosure; Page 41; 59pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAG70462 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PACAP receptor 3; R3; agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-SEP-2000; 2000WO-US026638
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15-JUN-2000; 2000US-00595280
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Tsutsumi M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-367200/38
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TOIG of: aag70462
                                                                                                                                                                                                                                                                                                                                    Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200123420-A2
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The present sequence is provided in a specification relating to pituitary adenylate cyclase activating peptide (PACAP) receptor 3 (R3) agonist polypeptides timulate insulin ralease from pancreatic beta cells. They are useful for treating metabolic disorders such a type 2 diabetes and the pre-diabetic state of impaired glucose tolerance. They are useful for treating respiratory diseases and for stimulating insulin release in a glucose-dependent manner. The R3 agonists are useful for treating diseases and conditions such as diabetes, asthma, hypertension, male reproduction problems including human sperm motility, cardiovascular diseases and ulcers. They are useful in gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                type-2 pre-
heart failure
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gila monster; glucagon-like peptide-1; insulin resistance; diabetes; atherosclerotic cardiovascular disease; congestive heart failure; GLP-1; antidiabetic; antiarteriosclerotic; cardiant.
Novel pituitary adenylate cyclase activating peptide receptor 3 agonist useful for treating type 2 diabetes, asthma, hypertension, ulcers and cardiovascular diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Treatment of insulin resistance-associated conditions, e.g. type-2 adiabetes, ASCD, drug-induced insulin resistance, congestive heart for diminished exercise capacity, comprises adminished exercise
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAG70462 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                  Disclosure; Page 6; 62pp; English.
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    aao19591 ; Gila monster exendin 3.
    (from "seq4ags.pep")
    TOIG of: aao19591 check: 9591 fi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (revised)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-046959/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200285406-A1
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Modified-site
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13-PEB-2003
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Fri Feb

of skeletal muscle.

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                                                                                                                                                                                                                                                                             associated conditions comprising administration of glucagon-like peptide-1 (GLP-1). The method is useful for treating insulin resistance-associated conditions, especially type-2 pre-diabetes, acherosclerotic cardiovascular diseases (ASCD), drug-induced insulin resistance (especially glucocorticoid- or growth hormone-induced), congestive heart failure (not associated with toxic hypervolemia), diminished exercise capacity of skeletal muscle and left ventricular dysfunction with cardiac metabolic myopathy or diminished exercise capacity of skeletal muscle. The present sequence is an exercise capacity of skeletal muscle. (Updated on 23-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to a method of treating insulin resistance-associated conditions comprising administration of glucagon-like peptide-1 (GLP-1). The method is useful for treating insulin resistance-associated conditions, especially type-2 pre-diabetes, atherosclerotic cardiovascular diseases (ASCD), drug-induced insulin resistance (especially glucocorticoid- or growth hormone-induced), congestive heart failure (not associated with toxic hypervolemia), diminished exercise capacity of skeletal muscle and left ventricular dysfunction with cardiac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Treatment of insulin resistance-associated conditions, e.g. type-2 prediabetes, ASCD, drug-induced insulin resistance, congestive heart failure or diminished exercise capacity, comprises administration of GLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gila monster; glucagon-like peptide-1; insulin resistance; diabetes; atherosclerotic cardiovascular disease; congestive heart failure; GLP-1; antidiabetic; antiarteriosclerotic; cardiant.
                                                                                                                                                                                        Check: 9591
                                                                                                                                                                                          Type: P
                                                                                                                                                                                                                                                                                                                                                  to: 39
                                                                                                                                                                                        2005 13:20
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HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                  from: 1
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39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure, Page 15; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Hathaway DR;
                                                                                                                                                                                                                                                                                                                                                                             AAO19593 standard; peptide; 39
                                                                                                                                                                                        AAO19591 Length: 39 February 4,
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                      aao19593 ; Gila monster exendin 4. (from "seq4ags.pep")
TOIG of: aao19593 check: 9570 f.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            24-APR-2002; 2002WO-US013088
                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gila monster exendin 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (REST-) RESTORAGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                       (revised)
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                                                                                                                                                                                                                                                                                                     1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Heloderma suspectum
                                                                                                                                                              Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200285406-A1
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Modified-site
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13-FEB-2003
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                                                                                                                                                                                                                                                                                                                                                                                                          aar80543 ; Heloderma guspectum exendin-4 residues 1-31 (Exendin-4(1-31)).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Stimulating/inhibiting insulin release with exendin polypeptide(s) treating diabetes mellitus and preventing hyperglycaemia.
                         The present sequence is an exendin protein from the Gila monster. (Updated on 23-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAR80543 Length: 31 February 4, 2005 13:19 Type: P Check: 7369 ound using 'seq4' (mohamed337.key)
                                                                                                                                                             Check: 9570
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma suspectum exendin-4 residues 1-31 (Exendin-4(1-31)).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Exendin-4; residues 1-31; Exendin-4(1-31); diabetes mellitus; hyperglycaemia; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aar80544 ; Heloderma suspectum exendin-4 residues 1-31-Tyr31.
or diminished exercise capacity
                                                                                                                                                          Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                             31
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                                                                                                                                                                                                                                                                HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                          39 February 4, 2005 13:20 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Col 13-14; 17pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAR80544 standard; peptide; 31 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HGEGIFTSDLSKOMEEEAVRLFIEWLKNGGP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               93US-00066480.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1995-262627/34.
                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Heloderma suspectum
  metabolic myopathy
                                                                                                                                                                                                                                                                                                                                                                                                                                      (from "seq4ags.pep")
TOIG of: aar80543 cl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 31 AA;
                                                                                                           Sequence 39 AA;
                                                                                                                                                             Length:
g 'seq4'
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TOIG of: aar80544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-FEB-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAR80543;
                                                                                                                                                                                            Found using
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Type: P Check: 9591

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AAR80545 is Heloderma horridum exendin-3. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent
                                                                   Stimulating/inhibiting insulin release with exendin polypeptide(s) - for treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                   AAR80545 Length: 39 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                                   Claim 5; Col 13-14; 17pp; English.
                                             WPI; 1995-262627/34
                                                                                                                                                                                              Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
 (ENGJ/) ENG J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ENGJ/) ENG J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-MAY-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US5424286-A
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                                                                                                                                                                        mechanisms
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                                                                                                                                                                                                                                                                                                                                                                                            AAR80546;
                                                                                                                                                                                                                               Found using
                      Eng J;
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 & X I X B X F F X 8 X D D D D D X 8
                                                                                                                                                                                                                                                                                                                                                                     Stimulating/inhibiting insulin release with exendin polypeptide (s) - for treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                                                                                        AAR80544 is the Heloderma suspectum exendin-4 residues 1-31, where the native Pro31 has been replaced with a Tyr residue. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent mechanisms
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-3; diabetes mellitus; hyperglycaemia; insulinotropic peptide.
                                                                            Exendin-4; residues 1-31; Y-31-Exendin-4(1-31); diabetes mellitus;
hyperglycaemia; Tyr31; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAR80544 Length: 31 February 4, 2005 13:19 Type: P Check: 7648 Found using 'seq4' (mohamed337.key)
                                                       Heloderma suspectum exendin-4 residues 1-31-Tyr31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aar80545 ; Heloderma horridum exendin-3.
(from "seq4ags.pep")
TOIG of: aar80545 check: 9591 from: 1
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                                                                                                                                                                                   93US-00066480
                                                                                                                                                                                                       93US-00066480
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93US-00066480
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                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                            WPI; 1995-262627/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
                                                                                                               Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma horridum
                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 31 AA;
                                                                                                                                                                                                                              (ENGJ/) ENG J
                                                                                                                                                                                  24-MAY-1993;
                                                                                                                                                                                                       24-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-MAY-1993;
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                                27-FEB-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-FEB-1996
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                                                                                                                                                           13-JUN-1995
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          AAR80544;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAR80545
                                                                                                                                                                                                                                                      Eng J;
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AAR80546 is Heloderma suspectum exendin-4. It is an insulinotropic peptide, and can therefore be used in the treatment of diabetes mellitus (types I or II), and for the prevention of hyperglycaemia. It normalises hyperglycaemia through glucose-dependent and insulin-(in)dependent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  - for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin-4; diabetes mellitus; hyperglycaemia; insulinotropic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stimulating/inhibiting insulin release with exendin polypeptide(s) treating diabetes mellitus and preventing hyperglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAR80546 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                          39
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                 ;;
                                                                                                                                                                       aar80546 ; Heloderma suspectum exendin-4.
(from "seq4ags.pep")
TOIG of: aar80546 check: 9570 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 6; Col 13-14; 17pp; English.
                                                                                                                                                                                                                                                                                                              AAR80546 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma suspectum exendin-4.
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                                                                                                                                       match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma suspectum
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Exendin, glucagon-like peptide-1; GLP-1; crystallisation; diabetes mellitus; hyperglycaemia; therapeutic.

Exendin polypeptide fragment #1.

(first entry)

24-OCT-2001

AAU07291;

Location/Qualifiers

/label= Pro, Tyr

Misc-difference 31

Synthetic.

WO200157084-A1

09-AUG-2001

31-JAN-2001; 2001WO-DK000067. 31-JAN-2000; 2000DK-00000156.

(NOVO) NOVO NORDISK AS

Arentsen AC;

AAU07291 standard; peptide; 31 AA.

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The invention relates to a new pulmonary liquid or dry formulation comprises a GLP-1 compound to which a lipophilic substituent is attached, optionally via a spacer. The formulation is useful in a pulmonary delivery device. The formulation is useful for reducing blood glucose levels, treating diabetes type I, diabetes type II, obesity and gastric culoces, and inhibiting gastric acid secretion and apoptosis of betacells. The present sequence is an exception and apoptosis of betacan be used as a spacer peptide with GLP-1
                                                                                                                                                                                                                                                                                  Insulin release, exendin, GLP-1; diabetes type I; diabetes type II; obesity; gastric ulcers; gastric acid secretion; apoptosis; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New pulmonary liquid or dry formulation comprises a GLP-1 compound to which a lipophilic substituent is attached, optionally via a spacer, useful in a pulmonary delivery device.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       February 4, 2005 13:20 Type: P Check: 7617
                                                              match found in sequence:
aau05785; Insulin release stimulating polypeptide, exendin.
(from "seq4ags.pep")
TOIG of: aau05785 check: 7617 from: 1 to: 31
                                                                                                                                                                                                                                                     Insulin release stimulating polypeptide, exendin
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 6; 30pp; English.
                                                                                                                                                      31 AA
                                                                                                                                                                                                                                                                                                                                                                                                                    /label= Pro, Tyr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAU05785 Length: 31 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-JAN-2001; 2001WO-DK000015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-JAN-2000; 2000DK-00000030
                                                                                                                                                      AAU05785 standard; peptide;
                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (NOVO ) NOVO NORDISK AS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Agerso H;
                                                                                                                                                                                                                                                                                                       obesity, gastric ulcanorectic, antiulcer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-502577/55.
                                                                                                                                                                                                                                                                                                                                                                                         Key
Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200151071-A2
                                                                                                                                                                                                                    24-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Anderson K,
                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                   AAU05785;
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The invention relates to a method of producing crystals of a glucagon-
like peptide-1 (GLP-1) analogue or producing a GLP-1 analogue or a GLP-1
analogue attached to a lipophilic substituent, which involves preparing
an aqueous solution comprising a GLP-1 analogue, a salt, and an organic
an aqueous solution comprising a GLP-1 analogue, a salt, and an organic
convent, and isolating the crystals after formation. The method is useful
convention crystals of a GLP-1 or for producing a GLP-1 analogue.

The mached to a lipophilic substituent. These are useful for preparing a
cutached to a lipophilic substituent. These are useful for preparing a
convention of a GLP-1 analogue results in removal of coloured
compounds from the fermentation step in the manufacturing process for
compounds from the fermentation broth, reduction of yeast host cell
compounds from the fermentation broth, reduction of yeast host cell
corpounds from the fermentation broth, reduction of yeast host cell
corpounds from the fermentation broth, reduction of yeast host cell
corpounds from the fermentation broth, reduction of yeast host cell
corpounds from the fermentation acid sequence of exendin
corporation of a GLP-1 analogue from the mother liquor. The
present sequence represents the amino acid sequence of exendin
corporation of In and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Producing crystals of glucagon-like peptide-1 analog for preparing pharmaceutical composition, by preparing aqueous solution comprising the analog, salt and organic solvent, and isolating crystals after formation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P Check: 7617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
aau07378 ; Glucagon-like peptide-1 (GLP-1) homologue, exendin 3.
{ffrom "seq4ags.pep"}
TOIG of: aau07378 check: 9591 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAU07291 Length: 31 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 18; 33pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAU07378 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |------|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2001-514598/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 31 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ДX
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31

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from: 1

check: 7617

(from "seq4ags.pep") TOIG of: aau07291 c

match found in sequence: aau07291 ; Exendin polypeptide fragment #1.

HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGX

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20-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                    invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU08763;
                                                                                                                                                                           Goeke B,
The invention relates to a method of inhibiting antro-duodenal motility in a patient, comprising administering a glucagon-like peptide (GLP-1) molecule. The method is used to premedicate or in endoscopic procedures or to treat or prevent non-infections acute and chronic diarrhoea, post-operative dumping syndrome, irritable bowel syndrome or symptoms associated with narcotics withdrawal. Unlike prior art treatment with glucagon, the invention is not contraindicated in persons with diabetes, does not incur the risks of side effects summanian glucagon-like expensive. The present sequence represents mammalian glucagon-like peptide-1, (GLP-1) homologue, exendin 3 as described in the method of the
                                                                       Antidiarrhoeic, antiinflammatory, antiaddictive, premedication; antro-duodenal motility; glucagon-like peptide-1; GLP-1; endoscopy; diarrhoea; post-operative dumping syndrome; irritable bowel syndrome; naroctics withdrawal; exendin 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Antidiarrhoeic; antiinflammatory; antiaddictive; premedication; antro-duodenal motility; glucagon-like peptide-1; GLP-1; endoscopy; diarrhoea; post-operative dumping syndrome; irritable bowel syndrome; narcotics withdrawal; exendin 4.
                                                                                                                                                                                                                                                                                                                                                       Inhibiting antro-duodenal motility, useful to prevent or treat gastrointestinal disorders such as irritable bowel syndrome and non infectious diarrhea, comprises administering glucagon-like peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU07378 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             aau07380 ; Glucagon-like peptide-1 (GLP-1) homologue, exendin 4.
(from "seq4ags.pep")
TOIG of: aau07380 check: 9570 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Glucagon-like peptide-1 (GLP-1) homologue, exendin 4.
                                                Glucagon-like peptide-1 (GLP-1) homologue, exendin 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 13; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAU07380 standard; peptide; 39 AA
                                                                                                                                                                                                                  14-MAR-2001; 2001WO-EP002882.
                                                                                                                                                                                                                                         14-MAR-2000; 2000US-0189091P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     match found in sequence:
                                                                                                                                                                                                                                                                                                         Schirra J;
                                                                                                                                                                                                                                                                                                                                  WPI; 2001-596887/67
                                                                                                                                                                                                                                                                                (SCHI/) SCHIRRA J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 39 AA;
                                                                                                                                                               WO200168112-A2
                                                                                                                                                                                                                                                                 GOEK/) GOEKE
                                                                                                                                         Homo sapiens.
                       18-DEC-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-DEC-2001
                                                                                                                                                                                        20-SEP-2001
                                                                                                                                                                                                                                                                                                         Goeke B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention
AAU07378;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU07380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Found
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The invention relates to a method of inhibiting antro-duodenal motility in a patient, comprising administering a glucagon-like peptide (GLP-1) molecule. The method is used to premedicate or in endoscopic procedures or to treat or prevent non-infectious acute and chronic diarrhoea, post-operative dumping syndrome, irritable bowel syndrome or symptoms associated with narcotics withdrawal. Unlike prior art treatment with glucagon, the invention is not contraindicated in persons with diabetes, does not incur the risks of side effects such as nausea, and is not expensive. The present sequence represents mammalian glucagon-like peptide-1, (GLP-1) homologue, exendin 4 as described in the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human, glucagon-like peptide 1; GLP-1; serum lipid; triglyceride; plasma; low density lipoprotein; high density lipoprotein; cholesterol; stroke; fatty acid; plasma; apolipoprotein; dyslipidaemia; fatty acid; artery; cerebrovascular disease; andiovascular disease; aneuryam; surgery; bypas graft tenosls; diabetes mellitus; anticoagulative treatment; coronary thrombosis; antilipaemic; cardiant; cerebroprotective; exendin; antidiabetic; antiarteriosclerotic; vasotropic; nootropic; antianginal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gastrointestinal disorders such as irritable bowel syndrome and non-
infectious diarrhea, comprises administering glucagon-like peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAU07380 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Inhibiting antro-duodenal motility, useful to prevent or treat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           match found in sequence:
aau08763; Human exendin degenerate peptide fragment.
(from "seq4ags.pep")
TOIG of: aau08763 check: 7617 from: 1 to: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human exendin degenerate peptide fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 13; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAU08763 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /label= Pro, Tyr
                                                                                                                                                                                                                                                                                                                                14-MAR-2000; 2000US-0189091P.
                                                                                                                                                                                                                                                14-MAR-2001; 2001WO-EP002882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-JAN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Schirra J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-596887/67.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SCHI/) SCHIRRA J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Misc-difference 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
                                                                           WO200168112-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                     (GOEK/) GOEKE
Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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Fri Feb

13-SEP-2001

Knudsen LB,

NAMES OF COLOR COL

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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This peptide is a fragment of exendin-3 isolated from Heloderma horridum. This peptide and its salts, esters and derivatives can be used to treat diabetes mellitus. They stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "This residue can be any amino acid except Gly"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        insulin; secretion; biosynthesis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAW39301 Length: 30 February 4, 2005 13:19 Type: P Check: 5420 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aaw33302; H. horridum exendin-4 peptide.
[from seq4ags.pep. 7
TOIG of: aaw33302 oheck: 5399 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW39302 standard; peptide; 30 AA
                                                                                                                                                                                                                 (BOEF ) BOEHRINGER MANNHEIM GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HSDGTFTSDLSKQMEEBAVRLFIEWLKNGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; Page 3; 150pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-3; exendin 4; diabetes;
                                                                                                                                                                                                                                                                Goeke B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         H. horridum exendin-4 peptide.
                                                                                                                                         96DE-01022502.
96DE-01037230.
                                                                                             97WO-EP002930,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97WO-EP002930.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 96DE-01022502
                                                                                                                                                                                                                                                                                                                                                                                                         do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (revised)
(first entry)
                                                                                                                                                                                                                                                                Goeke R,
                                                                                                                                                                                                                                                                                                            WPI; 1998-042119/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma horridum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Modified-site
                                                                                                                                         05-JUN-1996;
13-SEP-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-JUN-1997;
WO9746584-A1
                                                                                           05-JUN-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO9746584-A1
                                              11-DEC-1997.
                                                                                                                                                                                                                                                             Hoffmann E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11-DEC-1997.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-MAR-2003
05-JUN-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAW39302;
  The invention relates to a medicament for lowering serum lipids, comprising a glucagon-like peptide 1 (GLP-1) agonist. The GLP-1 agonist is used for lowering total serum lipids such as low density lipoproteins particularly small, dense lipoproteins, triglycerides, cholesterol and non-esterified fatty acids, for increasing high density lipoproteins, for lowering plasma levels of lipoprotein, for inhibiting generation of apolipoprotein, for treating dyslipidaemia in humans and also for lowering fatty acids, such as free fatty acids and non-esterified fatty acids. The medicament is also useful for treating cerebrovascular
                                                                                                                                                                                                                                                                                                                             Use of glucagon-like peptide-1 agonist for manufacturing a medicament for lowering total serum lipids e.g. low density lipoproteins and cholesterol.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         claudication, aneurysms of aorta and other large arteries, bypass graft stenosis and diabetes mellitus. The peptides may also be used in anticoagulative treatment e.g. following a coronary thrombosis or after
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diseases and cardiovacular diseases such as stroke, cerebral haemornhage, coronary heart disease, coronary artery disease, diabetic vasculopathy, atherosclerosis, peripheral atherosclerosis, arterosclerosis, myocardial infarction, ischaemic heart disease, restenosis, peripheral artery disease, angina pectoris, intermittent
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30 //note= "This residue can be any amino acid except \text{Gly}^{\text{m}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence represents a fragment of a degenerate exendin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAU08763 Length: 31 February 4, 2005 13:19 Type: P Check: 7617 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                       Larsen PJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aaw39301 ; H. horridum exendin-3 peptide.
(from "seq4ags.pep")
TOIG OF: aaw39301 check: 5420 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Page 40; 52pp; English.
                                                                                                                                                                                                                                       Sturis J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            H. horridum exendin-3 peptide
                                                                                           08-MAR-2001; 2001WO-DK000150
                                                                                                                                       38-MAR-2000; 2000DK-00000375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         polypeptide, a GLP-1 agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAW39301 standard; peptide;
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(first entry)
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                                                                                                                                                                                                                                                                                   WPI; 2001-602602/68.
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WO200166135-A1
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Modified-site
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25-MAR-2003 05-JUN-1998

AAW39301;

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                         rruncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAW39303 Length: 30 February 4, 2005 13:19 Type: P Check: 5373 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aaw33304; H. horridum exendin-4 peptide derivative #2.
(from "seq4ags.pep")
TOIG of: aaw3304 check: 5583 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         H. horridum exendin-4 peptide derivative #2.
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                                                                                                                                                                      Claim 2; Page 19; 150pp; English.
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HGEGTFTSDLSKQXEEBAVRLFIEWLKNGR
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Goeke B;
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96DE-01037230.
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Goeke R,
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                                            WPI; 1998-042119/04.
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Modified-site
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13-SEP-1996;
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  Hoffmann E,
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05-JUN-1998
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  Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                            This peptide is a fragment of exendin-4 isolated from Heloderma horridum. This peptide and its salts, esters and derivatives can be used to treat diabetes mellitus. They stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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aaw33303; H. horridum exendin-4 peptide derivative #1.
(from "seq4ags.pep")
TOIG of: aaw39303 check: 5373 from: 1 to: 30
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                                          (BOEF ) BOEHRINGER MANNHEIM GMBH.
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                                                                                      Goeke B;
96DE-01037230.
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96DE-01037230.
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                                                                                    Goeke R,
                                                                                                                              WPI; 1998-042119/04.
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Modified-site
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13-SEP-1996;
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13-SEP-1996;
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05-JUN-1998
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XBXBXBXXBXBXBXBXBXBXBXBXXBX

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
            Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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                                                                                                                                                                                                                                                                                                                                                                                 4, 2005 13:19 Type: P Check: 5583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . match found in sequence:
aaw39305; H. horridum exendin-3 peptide derivative #1.
(from "seq4ags.pep")
TOIG of: aaw39305 check: 5394 from: 1 to: 30
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                                                                                  Claim 2; Page 20; 150pp; English
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96DE-01037230.
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                                                do not induce hypoglycaemia.
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
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aaw33306; H. horridum exendin-4 peptide derivative #3.
(from "seq4ags.pep")
TOIG of: aaw33306 check: 5373 from: 1 to: 30
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                                 Claim 2; Page 20; 150pp; English.
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do not induce hypoglycaemia.
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05-JUN-1998
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longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)

AAW39308 Length: 30 February 4, 2005 13:19 Type: P Check: 4988 Found using 'seq4' (mohamed337.key)

Sequence 30 AA;

8888888

|-----| HGEGTFTSDLSKQMEEEAVRAFIEWLKNGR

more stable to degradation and metabolism and have a

at lower doses),

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treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connect PR field.)
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                                                                                                                                                                                         AAW39306 Length: 30 February 4, 2005 13:19 Type: P Check: 5373 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                        . match found in sequence:
aaw39308 ; H. horridum exendin-4 peptide derivative #5.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     horridum exendin-4 peptide derivative #5.
                                                                                                                                                                                                                                                                                                                                                     to: 30
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                                                                                                                                                                                                                                                                                                                                                    from: 1
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                                                                                                                                                                                                                                                                                                                                                                                  AAW39308 standard; peptide; 30 AA
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HGEGTFTSDLSKQXEEBAVRLFIEWLKNGR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma horridum.
                                                                                                                                                                Sequence 30 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                          1 match
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                             exendin 4; diabetes; insulin; secretion; biosynthesis;
                                                                                                                                                                                                                                              glucagon reduction; hypoglycaemia; glucose; treatment
. match found in sequence:
aaw33909; H. horridum exendin-4 peptide derivative #6.
(from "seq4ags.pep")
TOIG of: aaw33109 check: 4855 from: 1 to: 30
                                                                                                                                                                                             H. horridum exendin-4 peptide derivative #6
                                                                                                                                                                                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                AAW39309 standard; peptide; 30 AA
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96DE-01037230.
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Modified-site
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05-JUN-1998
                                                                                                                                                                                                                               Exendin-3;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLPI) and the known exendins, they are more active (effective

Claim 2; Page 22; 150pp; English.

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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AAW39309 Length: 30 February 4, 2005 13:19 Type: P Check: 4855 Found using 'seq4' (mchamed337.key)
                                                                                                                                       . match found in sequence:
aaw33310; H. horridum exendin-4 peptide derivative #7.
(from "seq4ags.pep")
TOIG of: aaw39310 check: 4624 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                               H. horridum exendin-4 peptide derivative #7.
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/note= "C-terminal amide"
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                                                                     HGEGTFTSDLSKOMEEEAVRLFIEWLKAGR
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Modified-site
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
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             aaw39311 ; H. horridum exendin-4 peptide derivative #8.
                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal OH group"
                                                                                                                                                                                                H. horridum exendin-4 peptide derivative #8.
                                              to: 30
                                              check: 5051 from: 1
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                                                                               AAW39311 standard; peptide; 30 AA
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96DE-01037230.
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(first entry)
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match found in sequence:
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                             (from "seq4ags.pep"
TOIG of: aaw39311
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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                                                                                                               AAW39311;
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1 match found in sequence: aaw39312 ; H. horridum exendin-4 peptide derivative #9. (from "seq4ags.pep")

AAW39310 Length: 30 February 4, 2005 13:19 Type: P Check: 4624 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRAFIEWLKAGR

|-----| HGEGTFTSDLSKQAEEEAVRLFIEWLKNGR

AAW39312;

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
glucagon reduction; hypoglycaemia; glucose; treatment.
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                                                                                                       H. horridum exendin-3 peptide derivative #2
                                                                                                                                                                                                                                                                                                     /note= "C-terminal amide"
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96DE-01037230.
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(first entry)
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TOIG of: aaw39315
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13-SEP-1996;
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05-JUN-1998
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  AAW39314;
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aaw33314; H. horridum exendin-3 peptide derivative #2.
(from "seq4ags.pep")
TOIG of: aaw33314 check: 4898 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                          'note= "N-terminal acetylated"
                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal OH group"
                                                                                                                                                                                            H. horridum exendin-4 peptide derivative #9
to: 30
from: 1
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                                          30 AA
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HGEGTFTSDLSKQIEEEAVRLFIEWLKNGR
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96DE-01037230.
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                                          AAW39312 standard; peptide;
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check: 5163
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TOIG of: aaw39312
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13-SEP-1996;
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05-JUN-1998
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H. horridum exendin-3 peptide derivative #3.

AAW39314 standard; peptide; 30 AA

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                                                                                                                                                                                                                                                                             Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
          Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      derivative #4.
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                                                                                      /note= "C-terminal amide"
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(from "seq4ags.pep")
TOIG of: aaw39316 check: 4786 from: 1
                                                          Location/Qualifiers
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96DE-01037230.
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(first entry)
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                                           Heloderma horridum
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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aaw39317; H. horridum exendin-4 peptide derivative #11.
(from "seq4ags.pep")
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|HSDGTFTSDLSKQAEEEAVRLFIEWAKNGR
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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TOIG of: aaw39332 check: 5399 from: 1 to: 30
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HSEGTFTSDLSKQXEEEAVRLFIEWLKNGR
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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aaw33311; H. horridum exendin-4 peptide derivative #25.
(from "seq4ags.pep")
TOIG of: aaw3931 check: 5397 from: 1 to: 30
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Check: 5397

Goeke B;

Goeke R,

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Hoffmann E,
Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                                                                          Goeke R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
                                                                                                   WPI; 1998-042119/04.
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                                                                                                                                                                                                                                                                                                                                            correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        n "seq4ags.pep")
of: aaw39337 c
                                                                                                                                                                                                                                                                                                                                                                      Sequence 30 AA;
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Modified-site
             05-JUN-1996;
13-SEP-1996;
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                                                                          Hoffmann E,
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                              rruncated vergions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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aaw39338 ; H. horridum exendin-3 peptide derivative #7.
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Found using 'seq4' (mohamed337.key)
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HSDGTFTSDLSKQAEEEAVRLFIEALKNGR
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WPI; 1998-042119/04.
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TOIG of: aaw39338 c
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05-JUN-1998
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                                                                                                                                                                                                                                                                                                                           AAW39338 Length: 30 February 4, 2005 13:19 Type: P Check: 5075 Found using 'seq4' (mchamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           glucagon reduction; hypoglycaemia; glucose; treatment.
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(from "seq4ags.pep")
TOIG of: aaw39340 check: 5039 from: 1 to: 30
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                                    Claim 2; Page 26; 150pp; English.
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96DE-01037230.
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not induce hypoglycaemia.
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypodypaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective
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treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexedin-3 and exemdin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more conomically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
    aaw39341 ; H. horridum exendin-4 peptide derivative #31.
    (from "seq4ags.pep")
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Found using 'seq4' (mohamed337.key)
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do not induce hypoglycaemia.
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96DE-01037230.
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Modified-site
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                           Check: 4956
                                                                                                                                                                                                                                                                  . match found in sequence:
aaw33943; H. horidum exendin-4 peptide derivative #33.
(from "seq4ags.per")
TOIG of: aaw39343 check: 5165 from: 1 to: 30
                                                                                                                         AAW39341 Length: 30 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                H. horridum exendin-4 peptide derivative #33.
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                                                                                                                                                                                                                                                                                                                                                        AAW39343 standard; peptide; 30 AA
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                                                                                                                                                                                             HGEGAFTSDLSKOAEEEAVRLFIEWLKNGR
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96DE-01037230.
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(first entry)
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                                                                                        Sequence 30 AA;
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13-SEP-1996;
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05-JUN-1998
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 8888888
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexedin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypolycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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 Check: 5165
                                                                                                                                        l match found in sequence:
aaw33344; H. horridum exendin-4 peptide derivative #34.
(from "seq4ags.pep")
TOIG of: aaw39344 check: 5069 from: 1 to: 30
 Type: P
                                                                                                                                                                                                                                                                                                                                                    H. horridum exendin-4 peptide derivative #34.
AAW39343 Length: 30 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
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                                                                     HGEGTYTSDLSKQAEEEAVRLFIEWLKNGR
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96DE-01037230.
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(first entry)
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05-JUN-1998
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                                                                                                                                          1 match
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HGEGTITSDLSKQAEEEAVRLFIEWLKNGR

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28
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. match found in sequence: aaw39345 ; H. horridum exendin-4 peptide derivative #35. (from "seq4ags.pep")
TOIG of: aaw39345 check: 5044 from: 1 to: 30

AAW39345 standard; peptide; 30 AA.

AAW39345;

(revised) 25-MAR-2003 05-JUN-1998

(first entry)

H. horridum exendin-4 peptide derivative #35.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum

/note= "C-terminal amide" Location/Qualifiers 30 Key Modified-site

WO9746584-A1

11-DEC-1997.

97WO-EP002930 05-JUN-1997; 96DE-01022502. 96DE-01037230.

05-JUN-1996;

(BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke R, Hoffmann E,

B;

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 26; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to

Sequence 30 AA;

AAW39345 Length: 30 February 4, 2005 13:19 Type: P Check: 5044 Found using 'seq4' (mohamed337.key)

HGEGTFSSDLSKQAEEEAVRLFIEWLKNGR

aaw39347 ; H. horridum exendin-4 peptide derivative #37.
(from "seq4ags.pep") 1 match found in sequence:

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment. H. horridum exendin-4 peptide derivative #37. to: 30 /note= "C-terminal amide" TOIG of: aaw39347 check: 5059 from: 1 Location/Qualifiers 30 AAW39347 standard; peptide; 30 AA (BOEF) BOEHRINGER MANNHEIM GMBH. Goeke B; 96DE-01037230. 97WO-EP002930. 96DE-01022502 (revised)
(first entry) Goeke R, Heloderma horridum Modified-site 05-JUN-1997; 05-JUN-1996; 13-SEP-1996; W09746584-A1 25-MAR-2003 05-JUN-1998 Hoffmann E, AAW39347;

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

WPI; 1998-042119/04.

Claim 2; Page 26; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower adses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to economically than correct PR field.)

Sequence 30 AA;

AAW39347 Length: 30 February 4, 2005 13:19 Type: P Check: 5059 Found using 'seq4' (mohamed337.key)

HGEGTFTTDLSKQAEBEAVRLFIEWLKNGR

match found in sequence:
aaw33349; H. horridum exendin-4 peptide derivative #39.
(from "seq4ags.pep")
TOIG of: aaw3349 check: 5060 from: 1 to: 30 1 match

AAW39349 standard; peptide; 30 AA

HXXX

AAW39349

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glucagon reduction; hypoglycaemia; glucose; treatment.
 E H X OS X M M X E X D L X Y X X X I D
                                                                                                                                                                                                                                                                                                                                                                                                        Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexedin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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                                                         Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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Found using 'seq4' (mohamed337.key)
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aaw33350; H. horridum exendin-4 peptide derivative #40.
(from "seq4ags.pep")
TOIG of: aaw39350 check: 4941 from: 1 to: 30
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                                    H. horridum exendin-4 peptide derivative #39.
                                                                                                                                          /note= "C-terminal amide"
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96DE-01037230.
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  (revised)
(first entry)
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                                                                                             Heloderma horridum
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Modified-site
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05-JUN-1998
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  25-MAR-2003
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the Known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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Heloderma horridum
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TOIG of: aaw39351 o
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13-SEP-1996;
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97WO-EP002930.

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(BOEF ) BOEHRINGER MANNHEIM GMBH.
  05-JUN-1997;
  Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                                                                                                                                                                                                                                          AAW39351 Length: 30 February 4, 2005 13:19 Type: P Check: 4853 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
   aaw39352 ; H. horridum exendin-4 peptide derivative #42.
   (from "seq4ags.pep")
   TOIG of: aaw39352 check: 4931 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          H. horridum exendin-4 peptide derivative #42.
 /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW39352 standard; peptide; 30 AA
                                                                                                                                                                                                                        Claim 2; Page 26; 150pp; English.
                                                                                                                  (BOEF ) BOEHRINGER MANNHEIM GMBH.
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HGEGTFTSDLAKQAEEEAVRLFIEWLKNGR
                                                                                                                                       Goeke B;
                                                               97WO-EP002930.
                                                                                  96DE-01022502.
96DE-01037230.
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(first entry)
                                                                                                                                       Goeke R,
                                                                                                                                                            WPI; 1998-042119/04.
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                                                                                                                                                                                                                                                                                                                                                                                      Sequence 30 AA;
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Modified-site
                     WO9746584-A1
                                                               05-JUN-1997;
                                                                                  05-JUN-1996;
13-SEP-1996;
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                                                                                                                                       Hoffmann E,
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05-JUN-1998
                                         11-DEC-1997
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
                                                                                                                                                                                                                                                               Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAW39352 Length: 30 February 4, 2005 13:19 Type: P Check: 4931 Found using 'seq4' (mohamed337.key)
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aaw39353 ; H. horridum exendin-4 peptide derivative #43.
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                                                                                      (BOEF ) BOEHRINGER MANNHEIM GMBH.
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HGEGTFTSDLSAQAEEEAVRLFIEWLKNGR
28
                                                                                                                                                Goeke B
                           96DE-01037230.
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96DE-01037230.
   96DE-01022502
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TOIG of: aaw39353 check: 4843
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                                                                                                                                             Hoffmann E, Goeke R,
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Modified-site
05-JUN-1996;
                           13-SEP-1996;
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05-JUN-1998
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13-SEP-1996;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more consomically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Truncated versions of exendin peptide(s) for treating diabetes - increase
                                                      Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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Found using '8eq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                1 match found in sequence:
   aaw39354 ; H. horridum exendin-4 peptide derivative #44.
   (from "seq4ags.pep")
   TOIG of: aaw39354 check: 4991 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   H. horridum exendin-4 peptide derivative #44.
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30
/note= "C-terminal amide"
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                                                                                                   Claim 2; Page 26; 150pp; English.
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            Goeke B;
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96DE-01037230.
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                                                                            do not induce hypoglycaemia.
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(first entry)
            Goeke R,
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                                  WPI; 1998-042119/04.
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                                                                                                                                                                                                                                                                      Sequence 30 AA;
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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            Hoffmann E,
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Secondin-3 and exendin-3 are exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to
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secretion and biosynthesis of insulin, but reduce those of glucagon, and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
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TOIG of: aaw39359 check: 4711 from: 1 to: 30
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                                                                                                    Claim 2; Page 27; 150pp; English.
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96DE-01037230.
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                                         do not induce hypoglycaemia.
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(first entry)
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can etimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sendini-3 and exemplared are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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Sequence 30 AA;

AAW39359 Length: 30 February 4, 2005 13:19 Type: P Check: 4711 Found using 'seq4' (mohamed337.key)

|-----| | HGEGTFTSDLSKQAEBEAVALFIEWLKNGR

1 match found in sequence:
 aaw39360 ; H. horridum exendin-3 peptide derivative #10.
 (from "seq4ags.pep") check: 5490 from: 1 TOIG of: aaw39360

AAW39360 standard; peptide; 30 AA (revised)
(first entry) 25-MAR-2003 05-JUN-1998 AAW39360;

H. horridum exendin-3 peptide derivative #10. Exendin-3;

exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930 05-JUN-1997;

96DE-01022502. 96DE-01037230. 05-JUN-1996; 13-SEP-1996; (BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke B; Goeke R, Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia. Claim 2; Page 27; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-MAR-2003 to

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and

Claim 2; Page 27; 150pp; English.

do not induce hypoglycaemia.

BOEF) BOEHRINGER MANNHEIM GMBH.

Goeke R,

Hoffmann E,

WPI; 1998-042119/04.

96DE-01037230.

13-SEP-1996;

97WO-EP002930. 96DE-01022502

05-JUN-1997; 05-JUN-1996;

11-DEC-1997

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like

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peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                 secretion; biosynthesis;
                                                                                   Check: 5490
                                                                                                                                                                                                                                                                                                                  Exendin-3; exendin 4; diabetes; insulin; secretion; b. glucagon reduction; hypoglycaemia; glucose; treatment
                                                                                                                                                                  match found in sequence:
aaw39361 ; H. horridum exendin-4 peptide derivative #49.
                                                                                   Type: P
                                                                                                                                                                                                                                                                                               H. horridum exendin-4 peptide derivative #49.
                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                  AAW39360 Length: 30 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                  from: 1
                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                       AAW39361 standard; peptide; 30 AA
                                                                                                                         HSDGTFTSDLSKQAEEEAVRLYIEWLKNGR
                                                                                                                                                                                                  check: 5350
                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                  Heloderma horridum.
                                                                                                                                                                                      (from "seq4ags.pep")
TOIG of: aaw39361 c
                                                               Sequence 30 AA;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
                                                                                                                                                                                                                                                                                                                                                                                                     diabetes; insulin; secretion; biosynthesis;
                               Check: 5350
                                                                                                                                                                                                                                                                                                                                                                                                                        glucagon reduction; hypoglycaemia; glucose; treatment
                                                                                                                                                                1 match found in sequence:
aaw39363; H. horridum exendin-4 peptide derivative #51.
(from "seq4ags.pep")
TOIG of: aaw39363 check: 4501 from: 1 to: 30
                             AAW19361 Length: 30 February 4, 2005 13:19 Type: P
Found using 'seg4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                       H. horridum exendin-4 peptide derivative #51.
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                                                                                                                                                                                                                                                    AAW39363 standard; peptide; 30 AA
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                                                                                              HGEGTFTSDLSKQAEEEAVRLFVEWLKNGR
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(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                        exendin 4;
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Sequence 30 AA;
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05-JUN-1998
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Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                               match found in sequence:
aaw39364 ; H. horridum exendin-4 peptide derivative #52.
                                                                                                                            H. horridum exendin-4 peptide derivative #52.
                                                      to: 30
                                                                                                                                                                                                    /note= "C-terminal amide"
                                                       from: 1
                                                                                                                                                                                   Location/Qualifiers
                                                                      AAW39364 standard; peptide; 30 AA
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HGEGTFTSDLSKQAEEEAVRLFIEALKNGR
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96DE-01037230
                                                       check: 4765
                                                                                                      (revised)
(first entry)
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                                               (from "seq4ags.pep")
TOIG of: aaw39364 c
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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                                                                                      AAW39364;
                               1 match
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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.

Claim 2; Page 27; 150pp; English.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes meallitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more conomically than full length versions. (Updated on 25-MAR-2003 to

Sequence 30 AA;

AAW39364 Length: 30 February 4, 2005 13:19 Type: P Check: 4765 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQAEEEAVRLFIEWAKNGR

2005 13:19 Type: P Check: 4501

AAW39363 Length: 30 February 4, Found using 'seq4' (mohamed337.key)

1 match found in sequence: aaw39365 ; H. horridum exendin-4 peptide derivative #53.

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                            exendin 4; diabetes; insulin; secretion; biosynthesis;
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                                                                                                                                                    glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39367; H. horridum exendin-4 peptide derivative #55.
(from "seq48gs.pep")
TOIG of: aaw39367 check: 5051 from: 1 to: 30
                                                                                   H. horridum exendin-4 peptide derivative #54.
                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
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                    (revised)
(first entry)
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05-JUN-1998
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aaw3366 ; H. horridum exendin-4 peptide derivative #54.
(from "seq4ags.pep")
TOIG of: aaw3336 check: 4877 from: 1 to: 30
                                                                                                                                                                                                                    H. horridum exendin-4 peptide derivative #53.
                      to: 30
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                      from: 1
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                                                               AAW39365 standard; peptide; 30 AA
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(from "seq4ags.pep")
TOIG of: aaw39365 c
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Modified-site
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H. horridum exendin-4 peptide derivative #55.

AAW39366

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when bloods sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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Found using 'seq4' (mohamed337.key)
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                                                                                                                /note= "C-terminal amide"
                                                                          Location/Qualifiers 30
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(first entry)
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                                                  Heloderma horridum
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TOIG of: aaw39368 c
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                        Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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aaw39369; H. horridum exendin-3 peptide derivative #12.
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/note= "C-terminal amide"
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/note= "C-terminal amide"
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TOIG of: aaw39369 check: 5604 from: 1
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/note= "Norleucine"
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                                                                                                                                                                                              (BOEF ) BOEHRINGER MANNHEIM GMBH,
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HSDGTFTSDLSKQMEEEAVRLFIEWLKNGR
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                                                                                                                                                                96DE-01037230.
                                                                                                              97WO-EP002930.
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                                                                                                                                                                                                                               Hoffmann E, Goeke R,
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Modified-site
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                                                                                                                05-JUN-1997;
                                                                                                                                                05-JUN-1996;
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05-JUN-1998
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                                                                                11-DEC-1997
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can estimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                             Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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(from "seq4ags.pep")
TOIG of: aaw39371 check: 5072 from: 1 to: 30
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                                                                                                                     (BOEF ) BOEHRINGER MANNHEIM GMBH.
                                                                                                                                                                                                                                                                                                                               Claim 2; Page 28; 150pp; English.
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                 97WO-EP002930.
                                                         96DE-01022502.
96DE-01037230.
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Modified-site
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13-SEP-1996;
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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aaw39370 ; H. horridum exendin-3 peptide derivative #13.
(from "seq4ags.pep")
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ound using 'seq4' (mohamed337.key)
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Modified-site
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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexedin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                 Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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/note= "Norleucine"
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(BOEF ) BOEHRINGER MANNHEIM GMBH.
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TOIG of: aaw39383 c
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                                     Hoffmann E,
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like at lower doses, more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                                                                                                                                                            Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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aaw39378 ; H. horridum exendin-3 peptide derivative #21.
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                                                          (BOEF ) BOEHRINGER MANNHEIM GMBH
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                96DE-01037230.
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96DE-01037230.
96DE-01022502
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(first entry)
                                                                                                  Goeke R,
                                                                                                                                        WPI; 1998-042119/04.
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OIG of: aaw39378
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Modified-site
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05-JUN-1996;
13-SEP-1996;
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13-SEP-1996;
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                                                                                                Hoffmann B,
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05-JUN-1998
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isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycemmia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
                                            Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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                                                                                                                                    Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4
                                                                                                                                                                                                                                                                                                                                                                  AAW39383 Length: 30 February 4, 2005 13:19 Type: P Check: 5370 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 match found in sequence:
aaw39393 ; H. horridum exendin-3 peptide derivative #36.
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/note= "C-terminal amide"
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                                                                                                      Claim 2; Page 28; 150pp; English
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(first entry)
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of: aaw39393
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aaw39397 ; H. horridum exendin-3 peptide derivative #40.
(from "seq4ags.pep")
TOIG of: aaw3937 check: 5063 from: 1 to: 30
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                                                                        Claim 2; Page 29; 150pp; English.
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HTDGTFTSDLSKQXEEEAVRLFIEWLKNGR
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96DE-01037230.
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(first entry)
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connenically than full length versions. (Updated on 25-MAR-2003 to
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Sequence 30 AA;

AAW39397 Length: 30 February 4, 2005 13:19 Type: P Check: 5063 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HSAGTFTSDLSKQAEEEAVRLF1EWLKNGR

match found in sequence:
aaw39398 ; H. horridum exendin-3 peptide derivative #41.
(from "seq4ags.pep") to: 30 from: 1 check: 4977 TOIG of: aaw39398 1 match

AAW39398 standard; peptide; 30 AA

AAW39398;

(first entry) (revised) 25-MAR-2003 05-JUN-1998 H. horridum exendin-3 peptide derivative #41.

Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.

Heloderma horridum

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO9746584-A1

11-DEC-1997

97WO-EP002930. 05-JUN-1997; 96DE-01022502. 96DE-01037230. 05-JUN-1996; 13-SEP-1996; (BOEF) BOEHRINGER MANNHEIM GMBH

Goeke B; Goeke R, Hoffmann E,

WPI; 1998-042119/04.

Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and Claim 2; Page 29; 150pp; English. do not induce hypoglycaemia.

Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high,

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GIPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
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                                                                                                                                                                        2005 13:19 Type: P Check: 4977
                                                                                                                                                                                                                                                                                                                   match found in sequence:
aaw39400; H. horridum exendin-3 peptide derivative #43.
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                                                                                                                                                                                                                   HSDGAFTSDLSKQAEEEAVRLFIEWLKNGR
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TOIG of: aaw39400 c
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a
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                               AAW39400 Length: 30 February 4, 2005 13:19 Type: P Check: 5186 Found using 'seq4' (mohamed337.key)
                                                                                                                                                               1 match found in sequence:
aaw39401 ; H. horridum exendin-3 peptide derivative #44.
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/note= "C-terminal amide"
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                                                                                               HSDGTYTSDLSKQAEEEAVRLFIEWLKNGR
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96DE-01037230.
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TOIG of: aaw39401 c
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Sequence 30 AA;
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05-JUN-1998
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Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                                                                             Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                     aaw39402 ; H. horridum exendin-3 peptide derivative #45.
                                                                                                                                                           H. horridum exendin-3 peptide derivative #45
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                                                                                            AAW39402 standard; peptide; 30 AA
|-----HSDGTITSDLSKQAEEEAVRLFIEWLKNGR
                                                                                                                                                                                                                                                                                                                                                   (BOEF ) BOEHRINGER MANNHEIM GMBH.
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96DE-01037230.
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                                                                         check: 5065
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                                                                                                                                                                                                                                                                                                                                                                     Hoffmann E, Goeke R,
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                                             1 match found in sequence:
                                                                                                                                                                                                        Heloderma horridum
                                                               (from "seq4ags.pep")
TOIG of: aaw39402 c
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Modified-site
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05-JUN-1998
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Peptides AAW39103-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically, than full length versions. (Updated on 25-WAR-2003 to correct PR field.) Sequence 30 AA;

Claim 2; Page 30; 150pp; English.

not induce hypoglycaemia.

AAW39402 Length: 30 February 4, 2005 13:19 Type: P Check: 5065 Found using 'seq4' (mohamed337.key) HSDGTFSSDLSKQAEEEAVRLFIEWLKNGR

1 match found in sequence:

AAW39401 Length: 30 February 4, 2005 13:19 Type: P Check: 5090 Found using 'seq4' (mohamed337.key)

AAW39404;

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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the isolated freatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-WAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
                                                                                                                                            Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39407 ; H. horridum exendin-3 peptide derivative #50.
                                                                                                       H. horridum exendin-3 peptide derivative #49.
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/note= "C-terminal amide"
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(first entry)
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                                           (revised)
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TOIG of: aaw39407
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Modified-site
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05-JUN-1998
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AAW39406;
BXHHXXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a economically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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aaw33406; H. horridum exendin-3 peptide derivative #49.
(from "seq4ags.pep")
TOIG of: aaw33406 check: 5081 from: 1 to: 30
aaw39404 ; H. horridum exendin-3 peptide derivative #47.
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                     (from "seq4ags.pep")
TOIG of: aaw39404 check: 5080
                                                                                 AAW39404 standard; peptide;
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(first entry)
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H. horridum exendin-3 peptide derivative #50.

AAW39406 standard; peptide; 30 AA.

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peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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        Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
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aaw39408 ; H. horridum exendin-3 peptide derivative #51.
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                                         Heloderma horridum
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TOIG of: aaw39408 c
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Modified-site
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05-JUN-1998
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Sexudin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
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aaw39409; H. horridum exendin-3 peptide derivative #52.
(from "seq4ags.pep")
TOIG of: aaw39409 check: 4931 from: 1 to: 30
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                                                          /note= "C-terminal amide"
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05-JUN-1998
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WPI; 1998-042119/04.
  Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connemically than full length versions. (Updated on 25-MAR-2003 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aaw39410 ; H. horridum exendin-3 peptide derivative #53.
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                                                                                               Goeke B;
                     97WO-EP002930.
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                                                                                                                  WPI; 1998-042119/04.
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TOIG of: aaw39410 c
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Modified-site
                    05-JUN-1997;
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13-SEP-1996;
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13-SEP-1996;
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05-JUN-1998
                                                                                              Hoffmann E,
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower adses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                       Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
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(from "seq4ags.pep")
TOIG of: aaw39411 check: 5012 from: 1 to: 30
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(BOEF ) BOEHRINGER MANNHEIM GMBH.
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96DE-01037230.
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                                                               Goeke R,
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                                                               Hoffmann E,
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide I (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a conomically than full length versions. (Updated on 25-WAR-2003 to correct PR field.)
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                           Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and do not induce hypoglycaemia.
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aaw39415 ; H. horridum exendin-3 peptide derivative #58.
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Found using 'seq4' (mohamed337.key)
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TOIG of: aaw39415
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connomically than full length versions. (Updated on 25-WAR-2003 to
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aaw39416 ; H. horridum exendin-3 peptide derivative #59.
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TOIG of: aaw39416 check: 5490 from: 1
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                                                                                                                                                                                                                                                    Sequence 30 AA;
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Modified-site
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05-JUN-1998
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seq4_ags.res

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correct PR field.)
                                        Sequence 30 AA;
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 SXS
                                                                                                                                                                                                                                                                                                                       Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Truncated versions of exendin peptide(s) for treating diabetes - increase secretion and biosynthesis of insulin, but reduce those of glucagon, and
Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLP1) and the known exendins, they are more active (effective at lower doses) more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more economically than full length versions. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis; glucagon reduction; hypoglycaemia; glucose; treatment.
                                                                                                                                                                                         Check: 5490
                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aaw39417 ; H. horridum exendin-3 peptide derivative #60.
                                                                                                                                                                                       AAW39416 Length: 30 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   H. horridum exendin-3 peptide derivative #60.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (BOEF ) BOEHRINGER MANNHEIM GMBH
                                                                                                                                                                                                                                                     HSDGTFTSDLSKOAEEEAVRLYIEWLKNGR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Goeke B;
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96DE-01037230.
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TOIG of: aaw39417 o
                                                                                                                                                    Sequence 30 AA;
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Peptides AAW39303-W39420 are fragments of exendin-3 and exendin-4 isolated from Heloderma horridum which are used in a novel method for the treatment of diabetes mellitus. These peptides can stimulate biosynthesis and secretion of insulin, but have the opposite effect on glucagon, and independent of this activity can increase peripheral glucose utilisation. Exendin-3 and exendin-4 are only active when blood sugar levels are high, so they will not induce hypoglycaemia. Compared with glucagon-like peptide 1 (GLPI) and the known exendins, they are more active (effective at lower doses), more stable to degradation and metabolism and have a longer lasting effect. Truncated forms of this peptide can be made more connentially than full length versions. (Updated on 25-WAR-2003 to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin-3; exendin 4; diabetes; insulin; secretion; biosynthesis;
      Type: P Check: 5371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        glucagon reduction; hypoglycaemia; glucose; treatment
                                                                                                                                                                                                                                                                     1 match found in sequence:
aaw39420 ; H. horridum exendin-3 peptide derivative #63.
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AAW39417 Length: 30 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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TOIG of: aaw39420 check: 5394 from: 1
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|HSDGTFTSDLSKQAEEEAVRLFVEWLKNGR
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96DE-01037230.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1998-042119/04.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Key
Modified-site
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05-JUN-1998
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AMW47549 describes a generic exendin agonist, provided that it does have the formula of either exendin-3 (AAW47608) or exendin-4 (AAW47609). Exendin agonists, which reduce gastric motility and delay gastric emptying, can be used to treat spasm (where associated with acute diverticulitis or disorders of the biliary tract or sphincter of oddi), postprandial dumping syndrome and hyperglycaemia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents passing into the intestines, then the stomach pumped) and obesity. They can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gilla monster venom, have some
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity; Gila monster venom; exendin-3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence similarity to glucagon-like peptides (GLP). They are GLP agonists and have been suggested (US5424286) for treatment of diabetes and prevention of hyperglycaemia
Check: 5394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Regulating gastrointestinal motility using exendins or their for treating spasm, diabetic postprandial hyperglycaemia, imp glucose tolerance etc., also in diagnostic investigations.
   Type: P
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AAW39420 Length: 30 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                  from: 1
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                                                                                                                              HSDGTFTSDLSKQXEEEAVRLFIEWLKNGR
                                                                                                                                                                                                                                                     match found in sequence:
aaw47608; Gila monster exendin-3.
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of: aaw47608
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW47608;
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the formula of either exendin agonist, provided that it does have the formula of either exendin-3 (AAW47608) or exendin-4 (AAW47609).

Exendin agonists, which reduce gastric motility and delay gastric emptying, can be used to treat spasm (where associated with acute diverticulities or disorders of the biliary tract or sphincter of Oddi), postprandial dumping syndrome and hyperglyceamia (particularly associated with type 2 diabetes), type 1 diabetes, impaired glucose tolerance, toxin ingestion (an exendin agonist is administered to prevent stomach contents of passing into the intestines, then the stomach pumped and obsesty. They can also be administered to subjects undergoing gastrointestinal diagnostic investigation, particularly radiological or by magnetic resonance imaging. Exendins, components of Gila monster venom, have some agonists and have been suggested (USS42286) for treatment of diabetes and prevention of hyperglycaemia
                                                                                                                                                                                                                                                                                                     Exendin agonist; gastric motility; gastric emptying; treatment; spasm; postprandial dumping syndrome; postprandial hyperglycaemia; type 1 diabetes; impaired glucose tolerance; toxin ingestion; obesity;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Regulating gastrointestinal motility using exendins or their agonists for treating spasm, diabetic postprandial hyperglycaemia, impaired glucose tolerance etc., also in diagnostic investigations.
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HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                          check: 9570 from: 1
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                                                                                                                                                            AAW47609 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                               Gila monster venom; exendin-4.
                                                                   . match found in sequence:
aaw47609; Gila moneter exendin-4.
(from "seq4ags.pep")
TOIG of: aaw47609 check: 9570 fi
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                                                                                                                                                                                                                                                                       Gila monster exendin-4.
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                                                                                                                                                                                                                                                                                                                                                                                                 Heloderma suspectum.
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Modified-site
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                                                                                                                                                                                               AAW47609;
                                                                     1 match
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Type: P Check: 9570

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

AAW47608 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

AAW47609 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

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aaw61769; Exendin-3, for use in treating disorders related to food intake. (From "seq4ag.pep")
TOIG of: aaw61769 check: 9591 from: 1 to: 39
found in sequence:
match
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AAW61769 standard; peptide; 39 AA

AAW61769;

(first entry) 29-MAR-1999 Exendin-3, for use in treating disorders related to food intake.

Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.

Heloderma horridum

WO9830231-A1

16-JUL-1998

98WO-US000449 07-JAN-1998; 97US-0034905P 17-JAN-1997;

08-AUG-1997;

97US-0055404P. 97US-0065442P. 97US-0066029P. 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

Bhavsar Prickett KS, Beeley NRA,

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WPI; 1998-398796/34.

uoing food intake by administering exendin(s) or their analogue(s) treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance Reducing

Claim 16, 24; Page 8; 214pp; English.

The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model): The present sequence is that of exendin-3 which is one of the preferred compounds for use in the method

Sequence 39 AA;

Type: P Check: 9591 AAW61769 Length: 39 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key) Found using 'seg4'

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence: aaw61770; Exendin-4, for use in treating disorders related to food intake. {from "seq4ags.pep") TOIG of: aaw61770 check: 9570 from: 1 to: 39

AAW61770 standard; peptide; 39 AA

AAW61770; SX B

(first entry) 29-MAR-1999 for use in treating disorders related to food intake. Exendin-4,

Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.

Heloderma suspectum

WO9830231-A1

16-JUL-1998.

98WO-US000449. 07-JAN-1998; 97US-0034905P. 97US-0055404P. 97US-0065442P. 07-JAN-1997

08-AUG-1997 14-NOV-1997

97US-0066029P 14-NOV-1997;

(AMYL-) AMYLIN PHARM INC.

ŝ Bhavsar Prickett KS, Beeley NRA,

WPI; 1998-398796/34.

Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.

Claim 17, 25; Page 8; 214pp; English.

The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises amministering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 which is one of the preferred compounds for use in the method

Sequence 39 AA;

Check: 9570 Type: P AAW61770 Length: 39 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

|----; HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence: aaw61771 ; Exendin-4 (1-30) for use in treating disorders related to food inta 30 ; t from: 1 AAW61771 standard; peptide; 30 AA check: 4889 (from "seq4ags.pep") TOIG of: aaw61771 c HX S X M X M X M X X X X B

AAW61771;

29-MAR-1999 (first entry)

Exendin-4 (1-30) for use in treating disorders related to food intake.

Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.

Heloderma suspectum

Key

Location/Qualifiers

98WO-US000449

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07-JAN-1998;
  1 match found in sequence:
aaw61772 ; Exendin 4 (1-28) amide for use in treating disorders related to foo
                                                                                                                                                                                                                                                                              The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises ampinistering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 (1-30) or its amide which is one of the preferred compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                        Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin-4 (1-28) amide for use in treating disorders related to food.
           /note= "optionally the C-terminal is in amide form"
                                                                                                                                                                                                                                                                                                                                                                                                                           AAW61771 Length: 30 February 4, 2005 13:19 Type: P Check: 4889
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
28
/note= "the C-terminal is in amide form"
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                                                                                                                                                                                                                                                            Claim 18, 26; Page 11; 214pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               check: 700 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                           |-----|
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG
                                                                                                        97US-0055404P.
97US-0065442P.
97US-0066029P.
                                                                          98WO-US000449.
                                                                                               97US-0034905P
                                                                                                                                                                        Prickett KS,
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                                                                                                                                                   (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                            WPI; 1998-398796/34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (from "seq4ags.pep")
TOIG of: aaw61772 c
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 30 AA;
 Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                        08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
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                                                                          07-JAN-1998;
                                                                                               07-JAN-1997;
                                WO9830231-A1
                                                     16-JUL-1998
                                                                                                                                                                          MRA,
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                                                                                                                                                                        Beeley
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, ating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of exendin-4 (1-28) amide which is one of the preferred
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                                                                                                                                                                                                                      Reducing food intake by administering exendin(s) or their analogue(s) for treatment of e.g. obesity, type II diabetes, eating disorders and insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 match found in sequence:
aaw61773 ; Leu(14), Phe(25)-exendin-4 amide, for reducing food intake.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAW61772 Length: 28 February 4, 2005 13:19 Type: P Check: 700
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                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 18, 26; Page 12; 214pp; English.
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39
                                                                                                                                                                                                Bhavsar
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 compounds for use in the method
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HGEGTFTSDLSKQMEEEAVRLFIEWLKN
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97US-0034905P.
97US-0055404P.
97US-0065442P.
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97US-0055404P.
97US-0065442P.
97US-0066029P.
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                                                                                 97US-0066029P
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                                                                                                                                                                                             Prickett KS,
                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                WPI; 1998-398796/34.
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TOIG of: aaw61773 cl
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Modified-site
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08-AUG-1997;
14-NOV-1997;
14-NOV-1997;
                            08-AUG-1997;
                                                                               14-NOV-1997;
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  07-JAN-1997;
                                                                                                                                                                                             Beeley NRA,
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, esting disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
    aaw61774 ; Leu(14). Phe(25)-exendin-4 (1-28) amide, for reducing food intake.
    (from "seq4ags.pep")
    TOIG of: aaw61774 check: 261 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Exendin; obesity; type II diabetes; eating disorders; cardiac disease;
insulin resistance syndrome; elevated plasma glucose level; agonist.
                                                                      ucing food intake by administering exendin(s) or their analogue(s) treatment of e.g. obesity, type II diabetes, eating disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Leu(14), Phe(25)-exendin-4 (1-28) amide, for reducing food intake.
                                                                                                                                                                                                                                                                         Check: 9131
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                                                                                                                                                                                                                                                                      AAW61773 Length: 39 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                               Claim 18, 26; Page 12; 214pp; English.
                              Bhavsar S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bhavsar S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                           AAW61774 standard; peptide; 28 AA
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97US-0065442P.
97US-0066029P.
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                              Prickett KS,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett KS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
          (AMYL-) AMYLIN PHARM INC.
                                                                      Reducing food intake by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1998-398796/34
                                                 WPI; 1998-398796/34
                                                                                            insulin resistance.
                                                                                                                                                                                                                                                     Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9830231-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                 AAW61774;
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                              Beeley
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The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises appetite and lowers plasma lipid levels. It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting action (still effective after 6 hours in a mouse model). The present sequence is that of an exendin-4 variant which is one of the preferred compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin, obesity; type II diabetes; eating disorders; cardiac disease; insulin resistance syndrome; elevated plasma glucose level; agonist.
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Reducing food intake by administering exendin(8) or their analogue(8) for treatment of e.g. obesity, type II diabetes, eating disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAW61774 Length: 28 February 4, 2005 13:19 Type: P Check: 261 vound using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      aaw61775 ; Leu(14), Ala(22), Phe(25)-exendin-4 (1-28) amide. (from "seq4ags.psp")
TOIG of: aaw61775 check: 151 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Reducing food intake by administering exendin(s) for treatment of e.g. obesity, type II diabetes, insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Leu(14), Ala(22), Phe(25)-exendin-4 (1-28) amide.
                                                                                                                 Claim 18, 26; Page 12; 214pp; English.
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28
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97US-0055404P.
97US-0065442P.
97US-0066029P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Heloderma suspectum.
                                                        insulin resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
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08-AUG-1997;
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Heloderma suspectum proexendin; exendin N-terminal peptide; ENTP; exendin 4 peptide; exendin 3 gene; Heloderma horridum; metabolic disease; drug screening; endocrine tumour; organ failure; cell metabolism; diabetes; reptilian venom peptide.
         The invention relates to a new method for treating disorders that are alleviated by reducing food intake, in particular obesity, type II diabetes, eating disorders, insulin resistance syndrome, elevated plasma glucose levels, or the risk of cardiac disease. The method comprises administering an exendin or an exendin agonist. The treatment reduces appetite and lowers plasma lipid levels, It inhibits food consumption as effectively as amylin or cholecystokinin but has a much longer-lasting sequence is that of an exendin-4 variant which is one of the present compounds for use in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New nucleic acid encoding proexendin - used to diagnose and treat, e.g. endocrine tumours, also to treat poisoning by reptile venom.
                                                                                                                                                                                                                AAW61775 Length: 28 February 4, 2005 13:19 Type: P Check: 151
Found using 'seq4' (mohamed337.key)
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/note= "Dipeptidyl peptidase cleavage site"
                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aaw70288 ; Heloderma suspectum proexendin peptide.
(from "seq4ags.pep")
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/note= "Exendin 4"
                                                                                                                                                                                                                                                                                                                                                                                                                        AAW70288 standard; protein; 87 AA
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HGEGTFTSDLSKQLEEEAVRLAIEFLKN
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/note= "ENTP"
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97GB-00002582.
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N-PSDB; AAV33163.
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                                                                                                                                                                                    Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                         TOIG of: aaw70288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cleavage-site
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07-PEB-1997;
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dipeptidy) peptidace cleavage site. The processed on the used to clone or identify related sequences (e.g. the exendin cDNA can be used to clone or identify related sequences (e.g. the exendin 3 gene of Heloderma horridum, muteant alleles and proexendin gene regulatory defects associated with metabolic disease) and species homologues (e.g. for developing animal models for drug screening). The proexendin peptide can be used to raise antibodies. Anti-proceedin antibodies are claimed to be useful for diagnosing conditions associated with altered levels of proexendin (e.g. endocrine tumours and organ failure), for identifying other regulators of cell metabolism, in drug screens and for treating metabolic diseases (e.g. diabetes) and for neutralising, or detecting, reptillan venom peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The peptides are of the formula Xaal-Xaa2-Xaa3-Gly-Thr-Xaa4-Xaa4-Xaa8-Ser-Lys-Gln-Xaa9-Glu-Glu-- Glu-Ala-
The Heloderma suspectum proexendin peptide is encoded by its cDNA which was isolated from a H. suspectum salivary gland cDNA library. The proexendin protein comprises of a novel exendin N-terminal peptide (ENTP) linked to the N-terminus of the exendin 4 peptide by a consensus
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aay03717 ; Amino acid sequence of exendin-3.
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MEEEAVRLFIEWLKNGGPSSGAPPPSG
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TOIG of: aay03717 cl
                                                                                                                                                                                                                                                                                                              Sequence 87 AA;
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Modified-site
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      61
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Gly-Ala- Xaal5-Xaal6- Xaal7-Xaal8-Z; wherein: Xaal is His, Arg or Tyr; Xaa2 is Ser, Gly, Ala. Or Thr; Xaa3 is Asp or Glu; Xaa4 is Phe, Tyr, or napthylalanine; Xaa5 is Thr or Ser; Xaa6 is Ser or Thr; Xaa7 is Asp or Glu; Xaa8 is Phe, Tyr, or Glu; Xaa8 is Leu, Ile, Val, pencylglycine, or Met; Xaa9 is Leu, Ile, pencylglycine, or Met; Xaa1 is Asp or Glu; Xaa1 is Ile, Val, Leu, pencylglycine, tert-butylglycine, or Met; Xaa12 is Glu or Asp; Xaa13 is Trp, Phe, Tyr, or napthylalanine; Xaa11 or Asp; Xaa13 is Trp, Phe, Tyr, or napthylalanine; Xaa15, Xaa16, and Xaa17 are independently Pro, homoproline, 3Hyp, 4Hyp, thioproline, or Tyr; and Z is OH or -NH2 with the proviso that the sequence is not the amino acid sequences shown in the present sequence and AAY03718. The specification claims for a second peptide of the above formula where Xaa1
                                                                                                                                                                                                                                                                                                                                                                                                           is His, Arg, Tyr or 4-imidazopropionyl. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be benefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying is a useful diagnostic aid in gastro-intestinal radiological examinations. The present sequence represents the amino acid
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Sequence 39 AA;

AAY03717 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

. match found in sequence:
aay03718; Amino acid sequence of exendin-4.
(from "seq4ags.pep")
TOIG of: aay03718 check: 9570 from: 1 to

to: 39

08-JUN-1999 (first entry) AAY03718;

AAY03718 standard; peptide; 39 AA

Amino acid sequence of exendin-4.

Exendin, agonist, diabetes, disorder, plasma glucose, gastric, diagnostic, gastro-intestinal, radiological, generic.

Synthetic.

39 /note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9907404-A1

18-FEB-1999

98WO-US016387. 06-AUG-1998;

97US-0055404P 08-AUG-1997;

(AMYL-) AMYLIN PHARM INC.

Prickett KS; seeley NRA,

WPI; 1999-180403/15.

New exendin agonists - useful in the treatment of Type I and II diabetes.

Disclosure, Fig 3, 70pp, English.

The invention relates to exendin agonists which slow gastric emptying and lower plasma glucose levels. The peptides are of the formula Xaal-Xaa2-

Carl-Arg-Leu-Xaa10- Xaa11- Xaa13-Leu-Lys-Asn-Gly-Gly Xaa14-Ser-Ser-Gly-Alla- Xaa15-Xaa16- Xaa17- Xaa18-2; wherein: Xaa1 is His, Arg or Tyr; Cara2 is Ser, Gly, Alla- Xaa15-Xaa16- Xaa17- Xaa38-2; wherein: Xaa1 is His, Arg or Tyr; Cara2 is Ser, Gly, Ala, or Thr; Xaa3 is Asp or Glu; Xaa4 is Phe, Tyr, or napthylalanine; Xaa2 is Leu, Ile, Val, pentylglycine, or Met; Xaa9 is Leu, Ile, pentylglycine, or Met; Xaa9 is Leu, Ile, val, Leu, pentylglycine, or Met; Xaa11 is Ile, Val, Leu, pentylglycine, or methylalanine; Xaa11 is Glu or Asp; Xaa13 is Trp, Phe, Tyr, or napthylalanine; Xaa12 is Glu or Asp; Xaa13 is Trp, Phe, Tyr, or napthylalanine; Xaa12 is Glu or Tyr; and Zaa17 are independently Pro, homoproline, 3Hyp, 4Hyp, thioproline, N-alkylglycine, or N-alkylalanine; Xaa18 is Ser, Thr, or Tyr; and Z is -OH or -NH2 with the present sequence and AAY03717. The specification claims for a second peptide of the above formula where Xaa1 is His, Arg, Tyr or 4-imidazopropionyl. The exendin agonists are used to treat Type I and II diabetes, disorders which would be benefited by agents which lower plasma glucose levels, and disorders which would be senefited by agents useful in delaying and/or slowing gastric emptying. Delayed gastric emptying: a useful diagnostic aid in gastro-intestinal considers. sequence of exendin-4

Sequence 39 AA;

Check: 9570 AAY03718 Length: 39 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

t0: check: 249 from: 1 1 match found in sequence: aay17536 ; Exendin agonist peptide #2. (from "seq4ags.pep" TOIG of: aay17536

28

AAY17536;

AAY17536 standard; peptide; 28 AA

09-AUG-1999 (first entry)

Exendin agonist peptide #2.

diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying monster; venom; lizard; sp; Gila Exendin; agonist; Heloderma diabetes mellitus type I; di

Heloderma sp. Synthetic.

WO9925728-A1

27-MAY-1999.

98WO-US024273 13-NOV-1998;

97US-0066029P. 14-NOV-1997;

Beeley NRA, Prickett KS; (AMYL-) AMYLIN PHARM INC.

WPI; 1999-347456/29.

Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.

Claim 28; Fig 4; 144pp; English.

AAV17535 to AAV17624 represent exendin peptide agonists. Exendins epptides that are found in the venom of the Gila-monster, a lizard

seq4_ags.res

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match found in sequence
                                                                    8XCCCCCCCX8X44X8X1X4X4X6X6X6X6X8X8X8X8X6X8
endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                     Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II, hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
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20
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OIG of: aay17540
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AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or they can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                        Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay17603 ; Exendin agonist peptide #69.
[from 'seq4ags.pep"]
TOIG of: aay17603 check: 5882 from:
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aay17543 ; Exendin agonist peptide #9
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                            (from "seq4ags.pep")
TOIG of: aay17543 c
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HGAGTFTSDLSKQMEBEAVRLFIEWLKN 1

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AAV17535 to AAV17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                Peptide agonists of exendin - delay stomach emptying, for treating
                                 and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                        . match found in sequence:
aay17612 ; Exendin agonist peptide #78
                                                                                                                                                                                                                                                                                                                                                                    32 AA
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                                                          Claim 28; Fig 4; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     98WO-US024273.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97US-0066029P
                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide #78.
                                                                                                                                                                                                                                                                                                                                                                    AAY17612 standard; peptide;
                                                                                                                                                                                                                                                                                                                                             check: 9574
                                                                                                                                                                                                                                                                                                                                                                                                                    09-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
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WPI; 1999-347456/29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 32 AA;
                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep"
TOIG of: aay17612
                                                                                                                                                                                 Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W09925728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               27-MAY-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                                                                                                              AAY17612;
                                     diabetes
                                                                                                                                                                                                                                                                                                                                                                     AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                         Peptide agonists of exendin - delay stomach emptying, for treating
                                                                                                                                                                                                                                                                                                                                                                                                           Type: P Check: 5882
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 35
                                                                                                                                                                                                                                                                                                                                                                                                           AAV17603 Length: 38 February 4, 2005 13:19
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGAGTFTSDLSKQLEEERAVRLFIEFLKNGGPSSGAPPP
                                                                                                                                                                                                                                       diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          aay17608 ; Exendin agonist peptide #74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY17608 standard; peptide; 35 AA
                                                                                                                                                                                                                                                               Claim 28; Fig 4; 144pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide #74.
                                                                                                     98WO-US024273
                                                                                                                            97US-0066029P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         09-AUG-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
                                                                                                                                                                                                    WPI; 1999-347456/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rom "seq4ags.pep"
IG of: aay17608
                                                                                                                                                                                                                                                                                                                                                                                       Sequence 38 AA;
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                             Heloderma sp.
                                                                                                     13-NOV-1998;
                                                                                                                              14-NOV-1997;
                                                     WO9925728-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-MAY-1999
                                                                             27-MAY-1999
                                                                                                                                                                             Beeley NRA,
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AAV17535 to AAV17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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AAY17608 Length: 35 February 4, 2005 13:19 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       to: 32
                                                                                                                                                                                              HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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AAVI7535 to AAVI7624 represent exendin peptide agonists. Exendins are epitides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Maxico. The peptide agonists are used to treat diabetes mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on hypoglycaemia their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                    Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY17620 Length: 35 February 4, 2005 13:19 Type: P Check: 7441 Found using 'seq4' (mohamed337.key)
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HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
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(from "seq4ags.pep")
TOIG of: aay24809 check: 4889 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 28; Fig 4; 144pp; English.
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                                                                                Exendin agonist peptide #86.
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                                      09-AUG-1999
                                                                                                                                                                                                                               Heloderma sp
                                                                                                                                                                                                                                                                                                                                                      13-NOV-1998;
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                                                                                                                                                                                                                                                                      WO9925728-A1
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                                                                                                                                                                                                                                                                                                               27-MAY-1999.
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AAY17620;
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BXBXSSXMMXEXBXBXCXD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY17535 to AAY17624 represent exendin peptide agonists. Exendins are peptides that are found in the venom of the Gila-monster, a lizard endogenous to Arizona and Northern Mexico. The peptide agonists are used to treat diabetees mellitus (types I or II), hyperglycaemia or hypoglycaemia. They can also be used for in vitro and in vivo studies on exendins and their agonists. They regulate gastric motility and slow gastric emptying (resulting in lower post-prandial glucose levels)
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Peptide agonists of exendin - delay stomach emptying, for treating diabetes and hypo- or hyper-glycemia.
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                   Check: 9574
                   Type: P
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                 2005 13:19
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aay17620; Exendin agonist peptide #86.
(from "seq4ags.pep")
TOIG of: aay17620 check: 7441 from:
                                                                                                 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
                                                                                                                                                                                                         aay17616 ; Exendin agonist peptide #82
                                                                                                                                                                                                                                                                                         AAY17616 standard; peptide; 38 AA
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                 AAY17612 Length: 32 February 4, Found using 'seq4' (mohamed337.key)
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Synthetic. Heloderma sp. WO9925728-A1

AAY17616;

13-NOV-1998; 14-NOV-1997;

27-MAY-1999

Beeley NRA,

WO9925727-A2

27-MAY-1999.

AAY17620 standard; peptide; 35 AA

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                              New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY24809 Length: 30 February 4, 2005 13:19 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)
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aay24010 ; Exendin agonist peptide #2.
(from "seq4age.pe")
TOIG of: aay24810 check: 700 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HGEGTFTSDLSKOMBEEAVRLFIEWLKNGG
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                 98WO-US024210
                                                 97US-0065442P
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                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                Prickett KS;
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                 13-NOV-1998;
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                                               14-NOV-1997;
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AMY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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gastric emptying, used for treating, e.g. diabetes.
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any24811; Exendin agonist peptide #3.
(from "seq4ags.pep")
TOIG of: any24811 check: 275 from:
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                                                                        Claim 18; Fig 4; 108pp; English
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Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp

Synthetic

WO9925727-A2 27-MAY-1999.

Exendin agonist peptide #5

(first entry)

24-AUG-1999

AAY24813;

98WO-US024210 97US-0065442P

13-NOV-1998;

14-NOV-1997;

Beeley NRA, Prickett KS; (AMYL-) AMYLIN PHARM INC.

28

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from: 1

check: 166

(from "seq4ags.pep") TOIG of: aay24813

match found in sequence: aay24813 ; Exendin agonist peptide #5.

AAY24813 standard; peptide; 28 AA

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which lower plasma glucose levels and in treatment of disorders which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II, hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
                                                                                                                   AAY24811 Length: 28 February 4, 2005 13:19 Type: P Check: 275 ound using 'seq4' (mohamed337.key)
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aay24812; Exendin agonist peptide #4.
(from "seq4ags.pep")
TOIG of: aay24812 check: 263 from:
                                                                                                                                                                                                                                                                                                                                                                              AAY24812 standard; peptide; 28 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                 Sequence 28 AA;
                                                                                                                                          Found using 'seq4'
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Heloderma sp.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which hower plasma glucose levels and in treatment of disorders which hower benefited with agents useful in delaying and/or slowing gastric emptying
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3 'seq4' (mohamed337.key)
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aay24814 ; Exendin agonist peptide #6
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TOIG of: aay24814 o
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HAEGTFTSDLSKOMEEEAVRLFIEFLKN 1

Found using 'seq4' (mohamed337.key)

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                 New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24816 ; Exendin agonist peptide #8.
[firom *eq4ags.pep"]
TOIG of: aay24816 check: 151 from:
                                                                                                                                                                                                                                                                                                                                          Claim 18; Fig 4; 108pp; English.
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                                                                                                                                                                                 Beeley NRA, Prickett KS;
                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
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                                          13-NOV-1998;
27-MAY-1999.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                             Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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(from "seq4ags.pep")
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                         Exendin agonist peptide #6.
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                                                                                                                                                         Synthetic.
Heloderma sp.
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Heloderma sp.
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AAY24815;

Fri Feb

seq4_ags.res

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and treatment of disorders which lower plasma glucose levels and in treatment of disorders which lower plasma glucose levels and in treatment of disorders which lower
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New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24817 ; Exendin agonist peptide #9.
                                                      Claim 18; Fig 4; 108pp; English
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TOIG of: aay24817
                                                                                                                                                                                                                                                                                                                                Sequence 28 AA;
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders and in treatment of disorders which would be
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hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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benefited with agents useful in delaying and/or slowing gastric
                                                                                                                                     AAY24817 Length: 28 Pebruary 4, 2005 13:19 Type: P Check: 63 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                          from: 1
                                                                                                                                                                                                                                                                                              . match found in sequence:
aay24818; Exendin agonist peptide #10.
(from "seq4ags.pep")
TOIG of: aay24818 check: 141 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                 AAY24818 standard; peptide; 28
                                                                                                                                                                                                                    HGEGTFTSDLAKQLEEBAVRLFIEFLKN
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                                                                                                  Sequence 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma sp.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-pandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                                                                                     Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I, diabetes mellitus type II, hyperglycaemia, hypoglycaemia, plasma glucose, gastric emptying, stomach emptying.
                                                 to: 28
                                                 check: 53 from: 1
nd in sequence:
Exendin agonist peptide #11
                                                                                  AAY24819 standard; peptide; 28 AA
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                                                                                                                                                                                     Exendin agonist peptide #11.
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                 aay24819 ; Exendin ag
(from "seq4ags.pep")
TOIG of: aay24819 c
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                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                    AAY24819;
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1 match
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AAY24819 Length: 28 February 4, 2005 13:19 Type: P Check: 53 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKALEEBAVRLFIEFLKN

to: 28 from: 1 aay24820 ; Exendin agonist peptide #12.
(from "seq4ags.pep")
TOIG of: aay24820 check: 107 from: 1 1 match found in sequence:

AAY24820 standard; peptide; 28 AA AAY24820; SXXX

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ablity to reduce post-pandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                      Exendin; agonist; Heloderma sp; Gila monster; venom; lízard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                      Exendin agonist peptide #12.
24-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                           Heloderma sp.
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                                                                                                                                                       Synthetic.
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AAY24820 Length: 28 February 4, 2005 13:19 Type: P Check: 107 ound using 'seq4' (mohamed337.key) Found

HGEGTFTSDLSKQAEERAVRLFIEFLKN

28 ; to: check: 201 from: 1 match found in sequence: aay24821 ; Exendin agonist peptide #13. AAY24821 standard; peptide; 28 AA. Exendin agonist peptide #13. 24-AUG-1999 (first entry) (from "seq4ags.pep" TOIG of: aay24821 AAY24821;

Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying. Heloderma sp. Synthetic.

WO9925727-A2

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Sequence 28 AA;
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                                                               AAY24809
                                                                                                                                                                                                             AAY24822
  AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                      New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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TOIG of: aay24822 check: 197 from: 1
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aay24822 ; Exendin agonist peptide #14
                                                                                                                                                                      Claim 18; Fig 4; 108pp; English.
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                                98WO-US024210
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                                                                                             Prickett KS;
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                                                                        (AMYL-) AMYLIN PHARM INC.
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Found using 'seq4' (md
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                               13-NOV-1998;
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                                                     exendin agonist peptides which can
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Found using 'seq4' (mohamed337.key)
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TOIG of: aay24823 check: 193 from: 1
                                                                                                                                 Claim 18; Fig 4; 108pp; English.
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                                                                                                                                                                                                                     to AAY24877 represent
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to: 28

from: 1

check: 9921

(from "seq4ags.pep" TOIG of: aay24825

aay24825 ; Exendin agonist peptide #17

match found in sequence:

HGEGTFTSDLSKQLEEEAARLFIEFLKN

AAY24825 standard; peptide; 28 AA

24-AUG-1999 (first entry)

AAY24825

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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the
mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                              Check: 193
                                                                                                                                            Type: P
                                                                                                                                                                                                                                                                                                                                            to: 28
                                                                                                                                               2005 13:19
                                                                                                                                                                                                                                                                                                                                            from: 1
                                                                                                                                                                                                                                                                                      match found in sequence:
aay24824 ; Exendin agonist peptide #16.
                                                                                                                                                                                                                                                                                                                                                                             AAY24824 standard; peptide; 28 AA
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                                                                                                                                                                                                                HGEGTFTSDLSKOLEEAAVRLFIEFLKN
                                                                                                                                               AAY24823 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide #16.
                                                                                                                                                                                                                                                                                                                                            check: 9862
                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                             (from "seq4ags.pep")
TOIG of: aay24824 c
                                                                                                            Sequence 28 AA;
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                       Exendin, agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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28
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                                                                                                                                                                                                                                                                                                            98WO-US024210.
                                                                                               Exendin agonist peptide #17.
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TOIG of: aay24826
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Check: 9862

2005 13:19 Type: P

AAY24824 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric mocility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric mocility and to allow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hould be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                        New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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Found using 'seq4' (mohamed337.key)
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aay24828 ; Exendin agonist peptide #20.
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                                                                                                                                                                                                                                                                                                                                                                             Claim 18; Fig 4; 108pp; English
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                                                                                                                                                                                                                   Beeley NRA, Prickett KS;
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TOIG of: aay24828
WO9925727-A2
                                                                                                                              14-NOV-1997;
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                                         27-MAY-1999.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric mocility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                       Exendin, agonist, Heloderma sp, Gila monster, venom, lizard, diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24827 ; Exendin agonist peptide #19.
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                                                              Exendin agonist peptide #18.
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                    (first entry)
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TOIG of: aay24827 c
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                                                                                                                                                                                                                   Heloderma sp.
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Heloderma sp.
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                    24-AUG-1999
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                                                                                                                                                                                                 Synthetic.
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AAY24830 Length: 28 February 4, 2005 13:19
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                                                                                                    regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                        ndin agonist peptides - can regulate gastric motility and slow emptying, used for treating, e.g. diabetes.
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                                                                                          AAY24809 to AAY24877 represent exendin agonist peptides which can
                                                                                                                                                                                                                                                                             AAY24828 Length: 28 February 4, 2005 13:19 Type: P Check: 136 Found using 'seq4' (mohamed337.key)
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aay24629; Exendin agonist peptide #21.
(from "seq4ags.pep")
TOIG of: aay24829 check: 9975 from:
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                                                                Claim 18; Fig 4; 108pp; English
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WPI; 1999-394773/33
                           exendin agonist
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evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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TOIG of: aay24830 check: 9991 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
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                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma sp
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Type: P Check: 9991

seq4_ags.res

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98WO-US024210. 97US-0065442P

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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                 Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 18; Fig 4; 108pp; English.
                                                                             Exendin agonist peptide #24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                           Heloderma sp.
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                                     24-AUG-1999
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                                                                                                                                                                                                                                                                                                    27-MAY-1999.
                                                                                                                                                                                                   Synthetic.
AAY24832;
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and alow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                           Exendin, agonist, Heloderma sp; Gila monster, venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                           to: 28
                                                                                        1 match found in sequence:
aay24831 ; Exendin agonist peptide #23
(from "seq4ags.pep")
                                                                                                                                                                                                   AAY24831 standard; peptide; 28 AA
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                HGEGTFTSDLSKQLEEEAVRLFIEFLAN
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                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disporders which hower benefited with agents useful in delaying and/or slowing gastric emptying
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aay24833; Exendin agonist peptide #25.
(from "seq4ags.pep")
TOIG OF: aay24833 check: 5894 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY24833 standard; peptide; 38 AA
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Heloderma sp.
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to: 38

match found in sequence:
aay24832; Exendin agonist peptide #24.
(ffrom seeq4ags.pept)
TOIG of: aay24832 check: 6333 from: 1

HGEGTFTSDLSKQLEEEAVRLFIEFLKN

AAY24832 standard; peptide; 38 AA

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                           New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
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aay24835 ; Exendin agonist peptide #27.
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                                                                                                                                   Claim 18; Fig 4; 108pp; English
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                     WPI; 1999-394773/33.
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TOIG of: aay24835 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 38 AA;
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Heloderma sp.
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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(from "seq4ags.pep")
TOIG of: aay24834 check: 6333 from:
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                                                                   27-MAY-1999
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperapycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which lower plasma glucose levels and in treatment of disorders which lower blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disporders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                               to: 36
                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aay24836 ; Exendin agonist peptide #28
(from "seq4ags.pep")
TOIG of: aay24836 check: 333 from:
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                                                                                                                                                                     Sequence 37 AA;
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AAY24836 Length: 36 February 4, 2005 13:19 Type: P Check: 333 Found using 'seq4' (mohamed337.key)

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
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                                                                                    1 match found in sequence:
aay24837; Exendin agonist peptide #29.
(from "seq4ags.pep")
TOIG of: aay24837 check: 9894 from:
                                                                                                                                                                              AAY24837 standard; peptide; 36 AA
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FOIG of: aay24838
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AAY24838;

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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
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aay24840; Exemdin agonist peptide #32.
(from seq496s.pep")
TOIG of: aay24840 check: 5178 from: 1
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                                                                                                                                                                                                                               (AMYL-) AMYLIN PHARM INC.
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Heloderma sp.
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Heloderma sp
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  regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of also redered for the treatment of also be used for the treatment of also be used for the benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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Found using 'seq4' (mohamed337.key)
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aay24839; Exendin agonist peptide #31.
(from "seq4ags.pep")
TOIG of: aay24839 check: 7014 from:
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                                                                                                                        Exendin agonist peptide #30
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                                                                                                                                                                                                                                                            Synthetic.
Heloderma sp.
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34

(AMYL-) AMYLIN PHARM INC.

Synthetic

AAY24839;

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conditions. The peptides are exendin agonists which have activity as
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                                                                                                                                                     regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which hower plasma glucose levels and in treatment of disorders which hower benefited by agents which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                           New exendin agonist peptides – can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                        AAY24809 to AAY24877 represent exendin agonist peptides which
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aay24841 ; Exendin agonist peptide #33.
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                                                                                                         Claim 18; Fig 4; 108pp; English
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 Prickett KS
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of: aay24841 c
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 Beeley NRA,
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which lower blasma glucose levels and in treatment of disorders which lower blasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in ammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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aay24842 ; Exendin agonist peptide #34.
(from "seq4ags.pep")
TOIG of: aay24842 check: 2764 from: 1
                                                                                                                                                                                                                                                                                                            HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY24842 standard; peptide; 33 AA
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AAY24842 Length: 33 February 4, 2005 13:19 Type: P Check: 2764

AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic

Claim 18; Fig 4; 108pp; English.

(first entry)

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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                            Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
AAY24844 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 18; Fig 4; 108pp; English.
                                                                                                           Exendin agonist peptide #36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
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                                                                       24-AUG-1999
                                                                                                                                                                                                                                            Heloderma sp
                                                                                                                                                                                                                                                                                                                  27-MAY-1999.
                                                                                                                                                                                                                       Synthetic
                                      AAY24844;
 AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                        to: 33
                                                                                                                                  . match found in sequence:
aay24843; Exendin agonist peptide #35.
(from "seq4ags.pep")
TOIG of: aay24843 check: 2325 from: 1
                                                         HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                                           AAY24843 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 18; Fig 4; 108pp; English
     Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                         Exendin agonist peptide #35.
                                                                                                                                                                                                                                                                                                      24-AUG-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prickett KS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
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98WO-US024210. 97US-0065442P

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exemin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which hower benefited with agents useful in delaying and/or slowing gastric emptying
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AAY24809 to AAY24877 represent exendin agonist peptides which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY24844 Length: 32 February 4, 2005 13:19 Type: P Check: 25 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 32
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TOIG of: aay24845 c
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to: 32

1 match found in sequence:
aay24844; Exendin agonist peptide #36.
(from "seq4ags.pep")
TOIG of: aay24844 check: 25 from: 1

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS 1

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric mocility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric mocility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                    New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24847 ; Exendin agonist peptide #39.
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                     Prickett
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                                                     WPI; 1999-394773/33.
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TOIG of: aay24847 o
                                                                                                                                                                                                                                                                                                                                                                               Sequence 31 AA;
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                     Beeley NRA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match
   AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                       New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
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aay24846 ; Exendin agonist peptide #38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY24846 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                                                                                          Claim 18; Fig 4; 108pp; English
                                                                                                                    98WO-US024210.
                                                                                                                                                    97US-0065442P.
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diabetes mellitus type I; di
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                                                                                                                                                                                                                       Prickett KS;
                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
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TOIG of: aay24846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 32 AA;
Synthetic.
Heloderma sp.
                                                 WO9925727-A2
                                                                                                                  13-NOV-1998;
                                                                                                                                                    14-NOV-1997;
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Heloderma sp
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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of they can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes. Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying. AAY24847 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 Found using 'seq4' (mohamed337.key) to: 30 check: 4450 from: 1 1 match found in sequence: aay24848 ; Exendin agonist peptide #40. AAY24848 standard; peptide; 30 AA. HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP 1 Claim 18; Fig 4; 108pp; English. 97US-0065442P. 98WO-US024210. Exendin agonist peptide #40. 24-AUG-1999 (first entry) Beeley NRA, Prickett KS; (AMYL-) AMYLIN PHARM INC. WPI; 1999-394773/33. (from "seq4ags.pep") TOIG of: aay24848 Sequence 30 AA; Sequence 31 AA; Heloderma sp. 14-NOV-1997; WO9925727-A2 13-NOV-1998; 27-MAY-1999 Synthetic. AAY24848; 88888888888888

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as agents to regulate gastric motility and to slow gastric emptying, as mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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AAY24848 Length: 30 February 4, 2005 13:19 Type: P Check: 4450 Found using 'seq4' (mohamed337.key)
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ay24850; Exendin agonist peptide #42.
(from "seq4ags.pep")
TOIG Of: aay24850 check: 2320 from: 1
                                                                                                                                                                                                       check: 2759 from: 1
                                                                                                                                                  match found in sequence:
aay24849; Exemin agonist peptide #41.
(from "seq4ags.pep")
TOIG of: aay24849 check: 2759 from:
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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                                                                                                                                                                                97US-0065442P
                                                                                                                                                                                                                                                      Beeley NRA, Prickett KS;
                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                      WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 38 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (from "seq4ags.pep"
TOIG of: aay24852
                                   Heloderma sp.
                                                                      WO9925727-A2.
                                                                                                                                            13-NOV-1998;
                                                                                                                                                                                14-NOV-1997;
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                                                                                                        27-MAY-1999.
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                 Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY24852;
regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and typerglycaemic or hypoglycaemic conditions. They can also be used for the treatment of agents which lower plasma glucose levels and in treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
                                                                                                                                                           Exendin; agonist; Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY24850 Length: 29 February 4, 2005 13:19 Type: P Check: 2320 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 38
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              aay24851; Exendin agonist peptide #43. (from "seq4ags.pep")
TOIG of: aay24851 check: 7469 from:
                 standard; peptide; 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY24851 standard; peptide; 38 AA
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                                                                                                                           Exendin agonist peptide #42.
                                                                                       (first entry)
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                                                                                                                                                                                                                                                        Heloderma sp.
                                                                                                                                                                                                                                                                                        WO9925727-A2
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                                                                                       24-AUG-1999
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                                                                                                                                                                                                                                                                                                                            27-MAY-1999
                                                                                                                                                                                                                                     Synthetic.
                 AAY24850
                                                   AAY24850;
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY24851 Length: 38 February 4, 2005 13:19 Type: P Check: 7469
Found using 'seq4' (mohamed337.key)
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aay24852 ; Exendin agonist peptide #44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY24852 standard; peptide; 38 AA
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Type: P Check: 2828

to: 37

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exemin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                      Length: 37 February 4, 2005 13:19
3 'Beq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                      aay24854 ; Exendin agonist peptide #46.
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                                                                                                                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        (from "seq4ags.pep")
TOIG of: aay24854
                                                                                                                                                                                                                    Sequence 37 AA;
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Heloderma sp.
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      8888888888888888
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                                                                                                                      New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24853 ; Exendin agonist peptide #45.
(from "seq4ags.pep")
TOIG of: aay24853 check: 2828 from:
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                                              Prickett KS
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        (AMYL-) AMYLIN PHARM INC
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                                                                                   WPI; 1999-394773/33
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                                              Beeley NRA,
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and

to: 36

from: 1

TOIG of: aay24856 check: 869

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AAY24856 standard; peptide; 36 AA

Exendin, agoniet, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.

Heloderma sp.

Synthetic

WO9925727-A2 27-MAY-1999.

Exendin agonist peptide #48.

24-AUG-1999 (first entry)

AAY24856;

98WO-US024210. 97US-0065442P.

13-NOV-1998; 14-NOV-1997; (AMYL-) AMYLIN PHARM INC. Beeley NRA, Prickett KS; WPI; 1999-394773/33.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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Check: 1733
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AAY24854 Length: 37 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key)
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGASSGAAA
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                                                                                                                                                                                                    check: 4125 from: 1
                                                                                                                                                            aay24855 ; Exendin agonist peptide #47.
(from "seq4ags.pep")
TOIG of: aay24855 check: 4125 from:
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aay24856 ; Exendin agonist peptide #48.
(from "seq4ags.pep")
                                                                                                                                                                                                                                         AAY24855 standard; peptide; 37 AA
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(mohamed337.key)
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                                                                                                                                                                                                                                                                                                                  24-AUG-1999 (first entry)
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                                                                                                                                            1 match found in sequence:
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Heloderma sp.
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New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.

Claim 18; Fig 4; 108pp; English.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disporders which hower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY24856 Length: 36 February 4, 2005 13:19 Type: P Check: 869 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L match found in sequence:
aay24857; Exendin agonist peptide #49.
(from "seq4ags.pep")
TOIG of: aay24857 check: 7463 from:
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33223232
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(AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY24859;
                                                                                                                                                                                                                                                                                                                                                                                                                              regulate gastric motility and slow gastric emptying. The peptides can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
                                                                                                                                                                                                          New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
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aay24858 ; Exendin agonist peptide #50.
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                                                                                                                                                                 Prickett KS;
                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                    WPI; 1999-394773/33.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               from "seq4ags.pep"
OIG of: aay24858
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 35 AA;
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                    Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Heloderma sp
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                                                                                                                                                                Beeley NRA,
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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                        New exendin agonist peptides - can regulate gastric motility and slow gastric emptying, used for treating, e.g. diabetes.
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aay24859 ; Exendin agonist peptide #51.
(from "seq4ags.pep")
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Beeley NRA, Prickett KS;
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                                                                                WPI; 1999-394773/33
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Sequence 28 AA;

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperallycamic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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Found using 'seq4' (mohamed337.key)
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TOIG of: aay24860 check: 693 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aay24860 ; Exendin agonist peptide #52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY24860 standard; peptide; 28 AA.
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Check: 693
Type: P
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February 4, 2005 13:19
                                                                                                                                                                                                   from: 1
                                                                                                                                          1 match found in sequence:
aay24861 ; Exendin agonist peptide #53
(from "seq4ags.pep")
TOIG Of: aay24861 check: 701 from: :
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                Found using 'seq4' (mohamed337.key)
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 Length: 28
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 AAY24860
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aay24862 ; Exendin agonist peptide #54

1 match found in sequence:

AAY24862

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disporders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia;
                               hypoglycaemia; plasma glucose; gastric emptying; stomach emptying
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Found using 'seq4' (mohamed337.key)
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aay24864; Exendin agonist peptide #56
[from "seq4ags.pep"]
TOIG of: aay24864 check: 657 from:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                              14-NOV-1997;
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                                                                                                       Synthetic.
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   THE SECOND SECTION OF THE SECOND SECO
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Found using 'seq4' (mohamed337.key)
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aay24863; Exendin agonist peptide #55.
(from "seq4ags.pep")
TOIG of: aay24863 check: 381 from: 1
                                                                                                       AAY24862 standard; peptide; 28 AA
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(from "seq4ags.pep")
TOIG of: aay24862 o
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AAY24863

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ablility to reduce post-paradial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in reatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  match found in sequence:
aay24867 ; Exendin agonist peptide #59
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TOIG of: aay24867 c
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Heloderma sp.
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  AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and alow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ablility to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which lower plasma glucose levels and in treatment of disorders which lower blasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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TOIG of: aay24865 check: 1045 from:
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97US-0065442P
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                                                                           Beeley NRA, Prickett KS;
                                    (AMYL-) AMYLIN PHARM INC
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14-NOV-1997;
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98WO-US024210.

33 ; to and

aay24869 ; Exendin agonist peptide #61.

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AAY24809 to AAY24877 represent exendin agonist peptides which can regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperalycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which lower blasma glucose levels and in treatment of disorders which lower benefited with agents useful in delaying and/or slowing gastric emptying
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                                                      Check: 2215
                                                  AAY24867 Length: 33 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
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to:
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1
                                                                                                                                                                                                    1 match found in sequence:
aay24868; Exendin agonist peptide #60.
(from "seq4ags.pep")
TOIG of: aay24868 check: 2649 from:
                                                                                                                                                                                                                                                                                                 AAY24868 standard; peptide; 29 AA.
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                 Sequence 33 AA;
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1 match found in sequence:

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regulate gastric motility and slow gastric emptying. The peptides can be used for treating e.g. diabetes or hyperglycaemic or hypoglycaemic conditions. The peptides are exendin agonists which have activity as agents to regulate gastric motility and to slow gastric emptying, as evidenced by the ability to reduce post-prandial glucose levels in mammals. They can be used for the treatment of Type I and II diabetes and hyperglycaemic or hypoglycaemic conditions. They can also be used for the treatment of disorders which would be benefited by agents which lower plasma glucose levels and in treatment of disorders which would be benefited with agents useful in delaying and/or slowing gastric emptying
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                                                                                                                                                                               Exendin, agonist, Heloderma sp; Gila monster; venom; lizard; diabetes mellitus type I; diabetes mellitus type II; hyperglycaemia; hypoglycaemia; plasma glucose; gastric emptying; stomach emptying.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY24809 to AAY24877 represent exendin agonist peptides which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Type: P Check: 4015
              to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY24869 Length: 37 February 4, 2005 13:19 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTSDASKQMEEEAVRLFIEWLKNGGXSSGAXX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     from: 1
                                               AAY24869 standard; peptide; 37 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ā
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
aay31501 ; Exendin-3 peptide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 18; Fig 4; 108pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31501 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                                        98WO-US024210.
                                                                                                                                                                                                                                                                                                                                                                                                         97US-0065442P
                                                                                                                                                   Exendin agonist peptide #61.
              check: 4015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 9591
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                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Beeley NRA, Prickett KS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-394773/33.
(from "seq4ags.pep")
TOIG of: aay24869
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (from "seq4ags.pep")
TOIG of: aay31501 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 37 AA;
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                                                                                                                  24-AUG-1999
                                                                                                                                                                                                                                                                       Heloderma sp.
                                                                                                                                                                                                                                                                                                     WO9925727-A2
                                                                                                                                                                                                                                                                                                                                                                        13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                         14-NOV-1997;
                                                                                                                                                                                                                                                                                                                                      27-MAY-1999.
                                                                                                                                                                                                                                                     Synthetic
                                                                                AAY24869;
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                                                 XEXEXEX
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.

/note= "C-terminal amide"

Location/Qualifiers

Key Modified-site

Heloderma suspectum

Synthetic

Fri Feb

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comprises administering an examidin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urner flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal fallure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequence represents an exendin-3 peptide which can be used in the of the invention
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY31501 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 39
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                                                                                                                                                             Location/Qualifiers
39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         match found in sequence:
aay31502; Exendin-4 peptide sequence.
(from "seq4ags.pep")
TOIG of: aay31502 check: 9570 from:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 14; Page 7; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Beeley NRA,
                                                                                                                                                                                                                                                                                                                               99WO-US002554
                                                                                                                                                                                                                                                                                                                                                                       98US-0075122P
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                                                                             hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-527332/44.
                                                                                                                                     Heloderma horridum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 39 AA;
                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                                                                                                                   05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                       13-FEB-1998;
                                                                                                                                                                                                                                                       WO9940788-A1
                                                                                                                                                                                                                                                                                             19-AUG-1999
                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Young AA,
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comprises administering an exendin or exendin agonist, or a Gib-line interior of comprises administering an exendin or exendin agonist. The new methods using an exendin, exendin agonist, GLP-l or GLP-l agonist. The new methods using an increasing urine flow, decreasing or GLP-l agonist are useful for increasing urine flow, decreasing a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present sequence represents an exendin-4 peptide which can be used in the methods of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39 February 4, 2005 13:19 Type: P Check: 9570 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                     Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 15; Page 7; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31505 standard; peptide; 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
awy31505, Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31505 check: 4889 fr
                                                                                                                                                                                                                                                                                                                99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                             WO9940788-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                       Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31505;
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AXXXXXX
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Page 270

Exendin agonist peptide

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comprises administering an exemidin or exemidin agonist, or a Gib-1 comprises administering an exemidin or exemidin agonist, or a Gib-1 comprises administering an exemidin or exemidin agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, proventing or alleviating an individual for surgical procedure, capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomenular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diurecis, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast They have a prolonged duration of action, are inctropic, have a low toxicity, and are easily administered intravences.

AAY31505-560 represent examples of exendin agonists compounds
                               Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Increasing urine flow by administering peptides or peptide agonists
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31505 Length: 30 February 4, 2005 13:19 Type: P Check: 4889
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28
                                                                                                                                                                                                                                            /note= "C-terminal amide"
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                                                                                                                                                                                                      Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 4; Page 32; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         aay31506 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31506 check: 700 fro
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                                                                                                                                                                                                                                                                                                                                                            99WO-US002554
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                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMYL-) AMYLIN PHARM INC.
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-527332/44.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 30 AA;
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                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                   13-FEB-1998;
                                                                                                                                                                     Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                             05-FEB-1999;
                                                                                                                                                                                                                                                                                  WO9940788-A1
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                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31506;
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SEXEXEX
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Comparises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary cedema, oirrhosis, or hypertenation). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, concreasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure) unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are incoropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                            Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 match found in sequence:
aay31507 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length: 28 February 4,
g 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                     99WO-US002554
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                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (from "seq4ags.pep")
TOIG of: aay31507
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                                                                                                                                                                                                      Key
Modified-site
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                                                                                                                                                                Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                         13-FEB-1998;
                                                                                                                                                                                                                                                                            WO9940788-A1
                                                                                                                                                                                                                                                                                                                19-AUG-1999.
                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young AA,
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SAXEX
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Exendin agonist peptide.
axxxax
                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, the preventing or alleviating a disorder associated with toxic hyperrolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating preclampaia or eclampsia of pregnancy, and increasing a condition/ increasing renal plasma flow and glomerular filtration rate, treating preclasory and increasing a condition/ insorder that can be alleviated by increasing acardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
                       Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-colampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31507 Length: 28 February 4, 2005 13:19 Type: P Check: 261
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                    Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 28
                                                                                                                                                                      /note= "C-terminal amide"
                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                   Example 6; Page 33; 94pp; English.
                                                                                                                                                                                                                                                                                                                                    Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31508 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aay31508 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                    99WO-US002554.
                                                                                                                                                                                                                                                                               98US-0075122P
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                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
                                                                             urine flow
 Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             check:
                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                    Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (from "seq4ags.pep")
TOIG of: aay31508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
                                                                                                                                             Key
Modified-site
                                                                            hypertension;
                                                                                                                   Heloderma sp.
                                                                                                                                                                                                                                                      05-FEB-1999;
                                                                                                                                                                                                 WO9940788-A1
                                                                                                                                                                                                                                                                               13-FEB-1998;
                                                                                                                                                                                                                           19-AUG-1999
                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                     Young AA,
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin agonist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

cdema, cirrhosis, or hypertension). They can also be used for inducing

rapid diuresis, preparing an individual for surgical procedure,

crapid diuresis, preparing and glomerular filtration rate, treating pre-

colampsia or colampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

congestive heart failure, pulmonary edema, systemic edema or renal

congestive heart failure, pulmonary edema, systemic edema or renal

congestive heart failure, pulmonary edema, systemic edema or renal

congestive heart failure, pulmonary edema, systemic edema or renal

confiction, and sodium excretion without increasing potassium loss, and

confictive, and are easily administered intravenously.

Anylene of confictive and are easily administered intravenously.
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma filow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31508 Length: 28 February 4, 2005 13:19 Type: P Check: 249 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Vine W, Beeley NRA, Prickett
                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aay31509 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG OE: aay31509 check: 166 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HAEGTFTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                         Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    13-FEB-1998;
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                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31509;
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Exendin agonist peptide.
  BXXXEX
                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GIP-1 (glucagon-like peptide) or GIP-1 agonist. The new methods using an exendin, exendin agonist, GIP-1 or GIP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, conventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing capit diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomenular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are
                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregenancy; cardiac contractility; renal failure; diuretic; conqestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31509 Length: 28 February 4, 2005 13:19 Type: P Check: 166 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                         Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28
                                                                                                                                                                                   /note= "C-terminal amide"
                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       from: 1
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                                                                                                                                                                                                                                                                                                                                                         Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 match found in sequence:
    aay31510 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31510 check: 231 from
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Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                       Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Found using 'seq4'
                                                                                                                                                         Key
Modified-site
                                                                                                                             Heloderma sp.
                                                                                                                                                                                                               WO9940788-A1
                                                                                                                                                                                                                                                                       05-FEB-1999;
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                                                                                                                                                                                                                                           19-AUG-1999.
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                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                          Young AA,
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  axxxex
xaxxex
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-clampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal excretion and sodium excretion without increasing potassium loss, and are failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are contracting acting the acting they have a prolonged duration of action, are introper.
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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AAY31505-560 represent examples of exendin agonists compounds
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                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "C-terminal amide"
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(from "seq4ags.pep")
TOIG of: aay31511 check: 117 from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGEGTATSDLSKOLEEEAVRLFIEFLKN
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                                                                                                                                                                 hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                      Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9940788-A1
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                                                                                                                                                                                                                                                 Synthetic
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Exendin agonist peptide.
                                                                                                 Synthetic
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 BXXXEX
                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

exendin, exendin administrating a disorder associated with toxic hypervolemia

crimal failure, congestive heart failure, nephrotic syndrome, pulmonary

cdema, cirrhosis, or hypertension). They can also be used for inducing

crapid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

clampsia or eclampsia of pregnancy, and increasing a condition,

increasing renal baleviated by increasing cardiac contractility

(congestive heart failure, pulmonary, edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily daministered intravenously. Sequences

AAY11505-560 represent examples of exendin agonists compounds
                      Exendin, agonist, GLP-1; glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow; glomerular filtration rate; pre-eclampsia, eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY31511 Length: 28 February 4, 2005 13:19 Type: P Check: 117 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                Prickett K;
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                                                                                                                                                              /note= "C-terminal amide"
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t
                                                                                                                           Location/Qualifiers
28
                                                                                                                                                                                                                                                                                                                                                                                          Example 10; Page 35; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY31512 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aay31512 ; Exendin agonist peptide.
(from "seq4ags.pep")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 HGEGTFTADLSKQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                       99WO-US002554
                                                                                                                                                                                                                                                               98US-0075122P
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                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                          urine flow
 Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       check:
                                                                                                                                                                                                                                                                                                                                       WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                              Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 28 AA;
                                                                                                                                     Key
Modified-site
                                                                        hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOIG of: aay31512
                                                                                                             Heloderma sp
                                                                                                                                                                                                                                     05-FEB-1999;
                                                                                                                                                                                       WO9940788-A1
                                                                                                                                                                                                                                                               13-FEB-1998;
                                                                                                                                                                                                              19-AUG-1999
                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                 foung AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31512;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 a gonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin gonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, increasing urine flow, decreasing potassium concentration in urine, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing capid duresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampais or eclampsia of pregnancy, and increasing a condition/ clasured that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28
                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "C-terminal amide"
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA, Vine W, Beeley NRA,
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{from "seq4ags.pep"}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGEGTFTSDASKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                          hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  check:
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                                                                                                                                                                                                                                                                                                                                                                 Key
Modified-site
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                                                                                                                                                                                                                                                                            Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-FEB-1998;
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Exendin agonist peptide.

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comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, correcting or alleviating a disorder associated with toxic hypervolemia preventing or alleviating a disorder associated with toxic hypervolemia capid diuresis, or hypertension). They can also be used for inducing rapid diuresis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAV31505-560 represent examples of exendin agonists compounds
                               Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Prickett K;
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28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
aay31514 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                             hypertension; urine flow
Exendin agonist peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                "seq4ags.pep")
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                                                                                                                                                                                                          Key
Modified-site
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                                                                                                                                                                    Heloderma sp
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                                                                                                                                                   Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA,
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 UXXXEX
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(first entry)

08-NOV-1999

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, or increasing urine flow, decreasing potassium concentration in urine, or preventing or alleviate heart failure, reproduce, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing cappid cirreasing renal plasma flow and glomerular filtration rate, treating preceduages or eclampsia of pregnancy, and increasing a condition/circal preparate failure, pulmonary edema, systemic edema or renal circal exist acting. They have a prolonged duration of action, are increase urine fast acting. They have a prolonged duration of action, are increased contracting. They have a prolonged duration of action, are increased to have a low toxicity, and are easily administered intravenously. Sequences and asset the compounds are easily agonists compounds.
                             Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; dirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                          Location/Qualifiers
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any31515, Exemdin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31515 check: 53 from
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                                                                                                               hypertension; urine flow
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Modified-site
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                                                                                                                                                                        Heloderma sp.
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                                                                                                                                                       Synthetic
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exaxex
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Exendin agonist peptide.
BXXXEX
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                       Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; duretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                         Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                February 4, 2005 13:19 Type: P Check: 53
                                                                                                                                                                                                                                                                                                                                     Prickett K;
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                                                                                                                                                                       /note= "C-terminal amide"
                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                     Example 14; Page 37; 94pp; English.
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aay31516 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                             hypertension; urine flow
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                    Vine W,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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Modified-site
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                                                                                                                  Heloderma sp.
                                                                                                                                                                                                 WO9940788-A1
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                                                                                                                                                                                                                           19-AUG-1999
                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                       Young AA,
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

candin, exendin agonist, GLP-1 agonist. The useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

rapid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

colampsia or eclampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

excretion and sodium excretion without increasing cardin or renal

canding the prior art diuretics, the new methods are increase usine

excretion and sodium excretion without increasing cardin or renal

canding the prior art diuretics the new methods are increase usine

excretion and sodium excretion without increasing cardin, are increase.
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Type: P Check: 107
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          match found in sequence:
aay31517 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQAEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                    hypertension; urine flow
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Modified-site
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                                                                                                                                                                                                                                                                                                          Heloderma sp
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                                                                                                                                                                                                                                                                 Synthetic
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Exendin agonist peptide.
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SAXAXEX
                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods unine, provederting or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedangories and extractional plasma and adjomerular filtration rate, treating precedisorder that can be alleviated by increasing candiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are eaching the allow toxicity, and are eachly administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
              Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31517 Length: 28 February 4, 2005 13:19 Type: P Check: 201
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                       Prickett K;
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                                                                                                                                                                 /note= "C-terminal amide"
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to:
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                                                                                                                                                                                                                                                                                                                       Beeley NRA,
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aay31518 ; Exendin agonist peptide.
(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                               WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                       Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 28 AA;
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Modified-site
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                                                                                                               Heloderma sp.
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 SAXAXEX
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

creal fallure, congestive heart fallure, nephrotic syndrome, pulmonary

cemen cirrhosis or hypertension). They can also be used for inducing

capid diureasis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

calcampsia or eclampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration are increasing potassium.

Chave a low toxicity, and are easily administered intravenously. Sequences
Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia; duturesis, renal plasma flow, glomerular filtration rate, pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                            hypertension; urine flow
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of: aay31519
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Modified-site
                                                                                                                                                                                                                                                       Heloderma sp.
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                    hypertension; urine flow
 Exendin agonist peptide.
The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

increasing renal plasma flow and glomerular filtration rate, treating pre-

eclampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal balleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                            Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                      Increasing urine flow by administering peptides or peptide agonists.
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                               Location/Qualifiers
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    aay31520 ; Exendin agonist peptide.
    (from "seq4ags.pep")
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                                                                                     hypertension; urine flow
Exendin agonist peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 28 AA;
                                                                                                                                                                Key
Modified-site
                                                                                                                                 Heloderma sp
                                                                                                                                                                                                                          WO9940788-A1
                                                                                                                                                                                                                                                                                     05-FEB-1999;
                                                                                                                                                                                                                                                                                                                   13-FEB-1998;
                                                                                                                                                                                                                                                       19-AUG-1999
                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                              Young AA,
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BXXXEX
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemis (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/eclampsia or eclampsia of pregnancy, and increasing a condition/(congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are incrropic, have a low toxicity, and are easily administered intravencusly. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beeley NRA, Prickett K;
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                                                                                                                                             /note= "C-terminal amide"
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                                                                                   Location/Qualifiers
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aay31521 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31520 Length: 28
Found using 'seq4' (mo
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TOIG of: aay31521 c
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Modified-site
                           Heloderma sp.
                                                                                                                                                                                                                                                                                                                          05-FEB-1999;
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Synthetic
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24255
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Exendin agonist peptide.
BXXXEX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31805-860 represent examples of exendin agonists compounds
                         Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY31521 Length: 28 February 4, 2005 13:19 Type: P Check: 9921
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                      Prickett K;
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                                                                                                                                       Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                      Beeley NRA,
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(from "seq4ags.pep")
TOIG of: aay31522 check: 30 from
                                                                                                                                                                                                                                           99WO-US002554
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                                                                          hypertension; urine flow
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 Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                      Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 28 AA;
                                                                                                                                         Key
Modified-site
                                                                                                                Heloderma sp.
                                                                                                                                                                                                                                           05-FEB-1999;
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                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                       Young AA,
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RXXXEX
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (Glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (Tranal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating precedured and alleviated by increasing a condition/
clasmostar that can be alleviated by increasing acondition/
clasorder that can be alleviated by increasing cardiac contractility
(congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
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(from "seq4ags.pep")
TOIG of: aay31523 check: 165 from
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                                                                                                                                                                                                                                                                                                                                                                                                                  Modified-site
                                                                                                                                                                                                                                                                                                    Heloderma sp.
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                                                                                                                                                                                                                                                                Synthetic
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Exendin agonist peptide.
 AXXXXX
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                      Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow, glomernlar filtration rate, pre-eclampsia, eclampsia of pregnancy; cardiac contractility; renal failure, diuretic, congestive heart failure, nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                             Location/Qualifiers
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aay31524 ; Exendin agonist peptide.
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Exendin agonist peptide.
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                                                                                                                                              Key
Modified-site
                                                                                                                    Heloderma sp.
                                                                                                                                                                                                                                                                               13-FEB-1998;
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                                                                                                      Synthetic
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(Glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

creasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(Tenal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

crapid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

creclampsia or eclampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and

fast acting. They have a prolonged duration of action, are increosic

chave a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vine W, Beeley NRA,
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aay31525 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-527332/44
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TOIG of: aay31525
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                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
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                                                                                                                                                                                                                                     Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-FEB-1999;
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Exendin agonist peptide.
comparises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for.

Concreasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary cedema, dirkhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precelumesis, preparing an individual for surgical procedure, concreasing renal plasma flow and glomerular filtration rate, treating precelumesis or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences are as a low toxicity, and are easily administered intravenously.
                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                               Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31525 Length: 28 February 4, 2005 13:19 Type: P Check: 9975 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                        Prickett K;
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                                                                                                                                                                                   /note= "C-terminal amide"
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                                                                                                                                                     Location/Qualifiers
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    aay31526 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31526 check: 9991 fx
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                                                                                                                                                                                                                                                                                                98US-0075122P
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                                                                                 hypertension; urine flow
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                        Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28 AA;
                                                                                                                                                        Key
Modified-site
                                                                                                                             Heloderma sp.
                                                                                                                                                                                                               WO9940788-A1
                                                                                                                                                                                                                                                                       05-FEB-1999;
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comprises administering an exemplance or according structured or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary dema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          excretion and sodium excretion without increasing potassium loss, and are
                                                                                               congestive heart failure, nephrotic syndrome; pulmonary edema; cirrhosis;
Exendin, agonist, GLP-1; glucagon-like peptide, toxic hypervolemia; diuresis, renal plasma flow, glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 25; Page 43; 94pp; English.
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aay31527 ; Exendin agonist peptide.
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                                                                                                                            hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                58
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                                                                                                                                                                                                                                                                                     Key
Modified-site
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Found using 'seq4'
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                                                                                                                                                                                                                      Heloderma sp.
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                                                                                                                                                                                            Synthetic
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Exendin agonist peptide.
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  UXXXEX
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comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like pebtide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

comprised and agonist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

(renal failure) presenting an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal plasma flow and glomerular filtration rate, treating pre-

celampsia or eclampsia of pregnancy, and increasing contractility

(congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds
                            Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duluresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                Prickett K;
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                                                                                                                                            Location/Qualifiers
28
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aay31528 ; Exendin agonist peptide.
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                                                                                   hypertension; urine flow
 Exendin agonist peptide
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                                                                                                                                                                                                                                                                                                                                                                Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (from "seq4ags.pep")
TOIG of: aay31528
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                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN
                                                                                                                                                           Key
Modified-site
                                                                                                                             Heloderma sp.
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                                                                                                                 Synthetic.
                                                                                                                                                                                                                                                                                                                                                                 Young AA,
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comprises administering an exempin or examing utility for the reputation interacts.

(glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exemplian exempine, GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, orongestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are carried action, are inotropic, and action, are inotropic,
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; duretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Increasing urine flow by administering peptides or peptide agonists.
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aay31529 ; Exendin agonist peptide.
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                                                                                                                                                                  hypertension; urine flow
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Modified-site
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                                                                                                                                                                                                                                                       Synthetic
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Exendin agonist peptide.
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BXXXEX
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                                 Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31529 Length: 38 February 4, 2005 13:19 Type: P Check: 5894 Found using 'seg4' (mohamed337.key)
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                                                                                                                                                                                              Location/Qualifiers
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Exendin agonist peptide
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Modified-site
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering and increasing the methods using an exendin, exendin agonist, GLP-1 agonist are useful for exendin, care aleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing in capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine failure). Unlike prior art diuretics, the new methods increase urine fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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TOIG of: aay31531 check: 2854 from the control of the c
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Modified-site
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Fri Feb

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Exendin agonist peptide.
 The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an central for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic Dypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregrancy, and increasing a condition, disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pullmonary edema, systemic edema or renal failure). Unlike prior art diurecies, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are tast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                       Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
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aay31532 ; Exendin agonist peptide.
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                                                                               hypertension; urine flow
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Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                 Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep"
TOIG of: aay31532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 37 AA;
                                                                                                                                                     Key
Modified-site
                                                                                                                         Heloderma sp.
                                                                                                                                                                                                                                                                05-FEB-1999;
                                                                                                                                                                                                         WO9940788-A1
                                                                                                                                                                                                                                                                                           13-FEB-1998;
                                                                                                                                                                                                                                    19-AUG-1999
                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                   Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31532;
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diluresis, preparing an individual for surgical procedure, treating nincreasing renal plaama flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/eclampsia or eclampsia of pregnancy, and increasing a condition/eclampsia or eclampsia of pregnancy py increasing eardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          l match found in sequence:
    aay31533 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31533 check: 9894 fr
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Found using 'seq4' (mo
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Modified-site
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                                                                                                                                                                                                                                            Synthetic.
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Exendin agonist peptide.
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                                  Exendin, agonist, GLP-1, glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow, glomerular filtration rate, pre-eclampsia, eclampsia of pregnancy; cardiac contractility, renal failure; diuretic, congestive heart failure, nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY31505-560 represent examples of exendin agonists compounds
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                                                                                                                                                                                                    Location/Qualifiers
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aay31534 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31534 check: 7453 fr
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                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                             hypertension; urine flow
 Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 36 AA;
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Modified-site
                                                                                                                                                                    Heloderma sp.
                                                                                                                                                                                                                                                                              WO9940788-A1
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                                                                                                                                                 Synthetic
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GPP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedumpsia or eclampsia of pregrated by increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are contractility and procedum excretion without increasing potassium loss, and are
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
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aay31535 ; Exendin agonist peptide.
(from "seq4ags.pep")
(TOIG Of: aay31535 check: 7014 fro
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                                                                                                                                                                          hypertension; urine flow
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Modified-site
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                                                                                                                                                                                                                                                              Synthetic
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Exendin agonist peptide.

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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering an exendin or exendin agonist, or a GLP-1

comprises administering and second or new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, concenting or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing increasing renal plasma flow and glomerular filtration rate, treating precedures increasing reclampsia of pregnancy, and increasing a condition/
colampsia or eclampsia of pregnancy, and increasing a condition/
disorder that can be alleviated by increasing cardiac contractility
(congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                      Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
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aay31536; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31536 check: 5178 fr
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                                                                                                                       hypertension; urine flow
  Exendin agonist peptide.
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Modified-site
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                                                                                                                                                                                   Heloderma sp
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                                                                                                                                                                  Synthetic
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (tranal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing confirming renal plasma flow and glomerular filtration rate, treating precedure that can be alleviated by increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increose a prolonged ware allow administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
                                   Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Prickett K;
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                                                                                                                                                                                                                                            /note= "C-terminal amide"
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                                                                                                                                                                                                       Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31537 standard; peptide; 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               match found in sequence:
aay31537 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC.
                                                                                                           hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Young AA, Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (from "seq4ags.pep")
TOIG of: aay31537 c
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                                                                                                                                                                                                         Key
Modified-site
                                                                                                                                                                  Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                        05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                               13-FEB-1998;
                                                                                                                                                                                                                                                                                  WO9940788-A1
                                                                                                                                                                                                                                                                                                                       19-AUG-1999.
                                                                                                                                                  Synthetic
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Exendin agonist peptide.
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 HXXXXXX
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                     Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregenancy; cardiac contractility; renal failure; diuretic; conqestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences
                                                                                                                                                                                                                                                                                                                                                                           Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31537 Length: 34 February 4, 2005 13:19 Type: P Check: 4739 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                            Prickett K;
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                                                                                                                                                                    /note= "C-terminal amide"
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                                                                                                                                          Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31538 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                                                          Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        match found in sequence:
aay31538 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                       98US-0075122P.
                                                                                                                                                                                                                                               99WO-US002554
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Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                          Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (from "seq4ags.pep")
TOIG of: aay31538 o
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                                                                                                                                          Key
Modified-site
                                                                                                                   Heloderma sp
                                                                                                                                                                                             WO9940788-A1
                                                                                                                                                                                                                                               05-FEB-1999;
                                                                                                                                                                                                                                                                       13-FEB-1998;
                                                                                                                                                                                                                     19-AUG-1999
                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                            Young AA,
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GIP-1 (glucagon-like peptide) or GIP-1 agonist. The new methods using an exendin, exendin agonist, GIP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diluresis, preparing an individual for surgical procedure, treating increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing actiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Increasing urine flow by administering peptides or peptide agonists.
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aay31539 ; Exendin agonist peptide.
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TOIG of: aay31539 c
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Modified-site
                                                                                                                                                                                                                                                                                                    Heloderma sp.
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Exendin agonist peptide.
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                                                                                                      Synthetic
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 comprises administering an exemcian or exemcian agonist, or a GLD-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing unit of GLD-1 agonist are useful for increasing unit of GLD-1 agonist are useful for preventing a disorder associated with toxic hypervolemia (renal fallure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or celampsia of pregrancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sedium excretion without increasing location and are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         excretion and sodium excretion without increasing potassium loss, and are fast cathon. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
                         Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-edlampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                              Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to new methods of increasing urine flow that
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                                                                                                                                                                                                                                                                                                                                         Prickett K;
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                                                                                                                                                                           /note= "C-terminal amide"
                                                                                                                                                 Location/Qualifiers
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aay31540 ; Exendin agonist peptide.
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                                                                              hypertension; urine flow
 Exendin agonist peptide
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Modified-site
                                                                                                                       Heloderma sp.
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                                                                                                        Synthetic
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The invention relates to new methods of increasing urine flow that

comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

candin, exendin agonist, GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or alleviating ad isorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

capid diureais, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

clampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal balaviated by increasing cardiac contractility

(congestive heart failure, pulmonary dema, systemic edema or renal

failure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                            hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA, Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        "seq4ags.pep"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 32 AA;
                                                                                                                                                                                                                                                                                                                                                                           Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-FEB-1999;
                                                                                                                                                                                                                                                                                  Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO9940788-A1
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Exendin agonist peptide.
 SAXXEX
                                                                                                                                                                                                                                                                                                                                                                                                                                                 comprises administering an exendin or exendin agonist, or a GIP-1 comprises administering an exendin or exendin agonist, or a GIP-1 donist. The new methods using an exendin exendin exendin gonist. GIP-1 or GIP-1 agonist are useful for increasing urine flow, decreasing ptdrashium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing accontractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, and are ally administered intravenously. Sequences
                        Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-edlampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                           increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY31541 Length: 32 February 4, 2005 13:19 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                  Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        to: 31
                                                                                                                                                                       /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to new methods of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     check: 7369 from: 1
                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                 Example 40; Page 51; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31542 standard; peptide; 31 AA
                                                                                                                                                                                                                                                                                                                                   Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
    aay31542 ; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG Of: aay31542 check: 7369 fre
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                                                                              hypertension; urine flow
                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                   Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 32 AA;
                                                                                                                                               Key
Modified-site
                                                                                                                    Heloderma sp.
                                                                                                                                                                                                 WO9940788-A1
                                                                                                                                                                                                                                                      05-FEB-1999;
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                                                                                                                                                                                                                            19-AUG-1999
                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                     Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY31542;
SAXAX
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comprises administering an exendin or exentin agonist, or a Gibble comprises administering an exendin or exentin agonist, or a Gibble comprises administering an exendin or exendin agonist. The new methods using an exendin, exendin agonist, Gibble agonist. The new methods using an increasing urine flow, decreasing potessium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, columpsia or colampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast They have a prolonged duration of action, are increptic, have a low toxicity, and are easily administered intravenously. Sequences AAY31805-560 represent examples of exendin agonists compounds
                                                                                                                     congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAV31542 Length: 31 February 4, 2005 13:19 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vine W, Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence:
aay31543 ; Exendin agonist peptide.
(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                          hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1999-527332/44.
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Modified-site
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                                                                                                                                                                                                                                                                                Heloderma sp.
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                                                                                                                                                                                                                                           Synthetic
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Exendin agonist peptide.
  UXXXXXX
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comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

increasing urine flow, decreasing potassium concentration in urine,

preventing or allevitating a disorder associated with toxic hypervolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

edema, cirrhosis, or hypertension). They can also be used for inducing

capid diuresis, preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre-

colampsia or calampsia of pregnancy, and increasing a condition/

disorder that can be alleviated by increasing cardiac contractility

congestive heart failure, pulmonary edema, systemic edema or renal

failure). Unlike prior art diureicis, the new methods increase urine

excrection and sodium excretion without increasing potassium loss, and are

excrection and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AY31505-560 represent examples of exendin agonists compounds
                          Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuseis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiar contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                  Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY31543 Length: 31 February 4, 2005 13:19 Type: P Check: 6930 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                              Prickett K;
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                                                                                                                                                   Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aay31544 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31544 check: 4450 fr
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                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                  hypertension; urine flow
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                              Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 31 AA;
                                                                                                                                                   Key
Modified-site
                                                                                                                        Heloderma sp.
                                                                                                                                                                                                                                                               05-FEB-1999;
                                                                                                                                                                                                       WO9940788-A1
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                                                                                                                                                                                                                                  19-AUG-1999
                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                               Young AA,
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The invention relates to new methods of increasing urine flow that comprises administering an exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, examing or alleviating a disorder associated with toxic hypervolemia (consersing or inversing a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing capid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing a condition/ cisorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary dema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inctropic, have a low toxicity, and are easily administered incravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac confestility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Type: P Check: 4450
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                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "C-terminal amide"
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Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Young AA, Vine W, Beeley NRA,
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aay31545 ; Exendin agonist peptide.
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                                                                                                                                                        hypertension; urine flow
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TOIG of: aay31545 c
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                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                                        Heloderma sp
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                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY31545;
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Exendin agonist peptide.
 EXXXEX
                                                                                                                                                                                                                                                                                                                                                                                                                                                        comprises administering an exembin or exemplin agonist, or a Gib-la comprises administering an exembin or exemplin agonist, or a Gib-la comprises administering an exembin or Gib-la agonist. The new methods using an exembin, exemplin by decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, proventing or alleviating a disorder associated with toxic hypervolemia capital diuresis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, concreasing renal plasma flow and glomenular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are eaching. They have a prolonged duration of action, are inotropic, have a low toxicity, and are eachly administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                       Exendin, agonist, GLP-1; glucagon-like peptide, toxic hypervolemia, diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                             Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY31545 Length: 29 February 4, 2005 13:19 Type: P Check: 2759 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                         Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to: 29
                                                                                                                                                                          /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  from: 1
                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                      Example 44; Page 53; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31546 standard; peptide; 29 AA
                                                                                                                                                                                                                                                                                                                                         Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aay31546 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                        99WO-US002554
                                                                                                                                                                                                                                                                                   98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                              hypertension; urine flow
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    check:
                                                                                                                                                                                                                                                                                                                                                                  WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                       Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq4ags.pep")
TOIG of: aay31546
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 29 AA;
                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Found using 'seq4'
                                                                                                                       Heloderma sp.
                                                                                                                                                                                                                                                       05-FEB-1999;
                                                                                                                                                                                                                                                                                   13-FEB-1998;
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                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                         Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY31546;
SAXEX
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The invention traders to new merinous or accompaniet, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, exendin, exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing optassium concentration in utine, preventing or alleviating a disorder associated with toxic hypervolemia (frend in it increasing or alleviating a disorder associated with toxic hypervolemia or expid diuresis, preparing an individual for surgical procedure, increasing rend plasma flow and glomerular filtration rate, treating precedianges or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are extracting the carrier and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diucesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac corractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Type: P Check: 2320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Prickett K;
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                                                                                                                                                                                                                                                                                                                                                                                                   /note= "C-terminal amide"
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                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 45; Page 54; 94pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vine W, Beeley NRA,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             match found in sequence:
aay31547 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1999-527332/44.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 29 AA;
                                                                                                                                                                                                                                                                                                                                  Key
Modified-site
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                                                                                                                                                                                                                    Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO9940788-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY31547;
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comprises administering an exendin or exendin agonist, or a Gib-1 comprises administering an exendin or exendin agonist, or a Gib-1 comprises administering an exendin or exendin agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, purventing or alleviating a disorder associated with toxic hypervolemia capital disorder, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomenular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                  Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                 /note= "thioproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Prickett K;
                                                                                                                                                                                                                                    note= "thioproline"
                                                                                                                                                                                                                                                                          'note= "thioproline"
                                                                                                                                                                                                                                                                                                              'note= "thioproline"
                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 46; Page 54; 94pp; English,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Beeley NRA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                             99WO-US002554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC
                                                                                                          hypertension; urine flow
Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vine W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 38 AA;
                                                                                                                                                                                                    Key
Modified-site
                                                                                                                                                                                                                                                       Modified-site
                                                                                                                                                                                                                                                                                           Modified-site
                                                                                                                                                                                                                                                                                                                              Modified-site
                                                                                                                                                                Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                     WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                         19-AUG-1999
                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young AA,
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Type: P Check: 7469 AAY31547 Length: 38 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key) HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXX

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to: 38
1 match found in sequence:
    aay31548; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOG of: aay31548 check: 7221 from: 1
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Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma filow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                  Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an
                                                                                                                                                                                                                                           /note= "thioproline; C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                        Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                 'note= "thioproline"
                                                                                                                                                                                                                        "thioproline"
                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 47; Page 55; 94pp; English.
AAY31548 standard; peptide; 38
                                                                                                                                                                                                                                                                                                          99WO-US002554.
                                                                                                                                                                                                                                                                                                                                98US-0075122P
                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                    (AMYL-) AMYLIN PHARM INC.
                                                                                                                          hypertension; urine flow
                                                              Exendin agonist peptide.
                                                                                                                                                                                                                         note=
                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44
                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                             Modified-site
                                                                                                                                                                                                                                 Modified-site
                                                                                                                                                           Heloderma sp
                                                                                                                                                                                                                                                                                                          05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                13-FEB-1998;
                                         08-NOV-1999
                                                                                                                                                                                                                                                                 WO9940788-A1
                                                                                                                                                                                                                                                                                     19-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                          Young AA,
                                                                                                                                                Synthetic
                    AAY31548;
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Structure in the property of the control of the con excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inciropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds

Sequence 38 AA;

AAY31548 Length: 38 February 4, 2005 13:19 Type: P Check: 7221 Found using 'seq4' (mohamed337.key)

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HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAXXX
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1 match found in sequence:

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

to: 37

check: 4125 from: 1

in seguence

AAY31550 standard; peptide; 37

(first entry)

08-NOV-1999

AAY31550;

Exendin agonist peptide.

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aay31550 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31550 check: 4125 fr
                      match found
                                                                                                                       comprises administering an exemble of according agonist, or a Gib-1 comprises administering an exemble of Gib-1 agonist. The new methods using an exemple of Gib-1 agonist. The new methods using an exemple of Gib-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They consider procedure, increasing renal plasma flow and glomerular filtration rate, treating precelampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, and the fact and processing processes and are fast acting. They have a prolonged duration of action, are inotropic, and the fact acting and initate expect intravenously, Sequences and the fact and acting a confidences.
                                                                                                                                                                                                                                   Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dlucasis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   have a low toxicity, and are easily administered intravenous:
AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Prickett K;
                                        to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                     'note= "N-methyl alanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "C-terminal amide"
                                      from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 48; Page 55; 94pp; English.
                                                                               AAY31549 standard; peptide; 37 AA
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aay31549 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99WO-US002554.
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                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                  hypertension; urine flow
                                                                                                                                                                                                Exendin agonist peptide.
                                      check:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vine W,
                      (from "seq4ags.pep")
TOIG of: aay31549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 37 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Modified-site
                                                                                                                                                                                                                                                                                                                                                                          Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO9940788-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  13-FEB-1998;
                                                                                                                                                          08-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-AUG-1999
                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                   AAY31549;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA,
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/note= "N-methyl alanine; C-terminal amide"

note= "N-methyl alanine" 'note= "N-methyl alanine"

Location/Qualifiers

Key Modified-site Modified-site Modified-site

Heloderma sp

Synthetic.

Prickett K;

Vine W, Beeley NRA,

Young AA,

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P.

05-FEB-1999;

WO9940788-A1 19-AUG-1999. 13-FEB-1998;

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comprises administering an exemdin or exemdin agonist. Or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potessium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing campid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating precedures that can be alleviated by increasing cardiac condition/ disorder that can be alleviated by increasing cardiac condition/ congestive heart failure, pulmonary dema, systemic edema or renal failure, pulmonary dema, systemic edema or renal callure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increosed are alow toxicity, and are easily administered intravenously. Sequences AAY11505-560 represent examples of exendin agonists compounds
                                                                                                                                Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to new methods of increasing urine flow that
                                                                                                                                                                                                                                                          Example 49; Page 56; 94pp; English.
WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 37 AA;
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AAY31550 Length: 37 February 4, 2005 13:19 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)

AAY31549 Length: 37 February 4, 2005 13:19 Type: P Check: 3541 ound using 'seq4' (mohamed337.key)

Found using 'seq4'

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP

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|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
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to: 37 from: 1 AAY31551 standard; peptide; 37 AA match found in sequence: aay31551 ; Exendin agonist peptide. check: 3293 (first entry) (from "seq4ags.pep") TOIG of: aay31551 o 08-NOV-1999 AAY31551;

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-edlampsia; eclampsia of pregnancy; cardac contractility; renal failure; dutetic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Exendin agonist peptide.

Heloderma sp. Synthetic

/note= "hydroxyproline; C-terminal amide" 'note= "hydroxyproline" note= "hydroxyproline" Location/Qualifiers Modified-site Modified-site Modified-site

WO9940788-A1

19-AUG-1999

99WO-US002554 05-FEB-1999; 98US-0075122P 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Prickett K; Beeley NRA, Vine W, Young AA,

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 50; Page 56; 94pp; English.

comprises administering an exendin or exendin agonist, or a GLP-1 comprises administering an exendin or exendin agonist. The new methods using an exendin, exendin agonist. GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodum excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences The invention relates to new methods of increasing urine flow that AAY31505-560 represent examples of exendin agonists compounds

Sequence 37 AA;

Check: 3293 2005 13:19 Type: P 37 February 4, (mohamed337.key) AAX31551 Length: 37 Found using 'seq4' (mc

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP

to: 36 from: 1 match found in sequence: aay31552; Exendin agonist peptide. check: 333 (from "seq4ags.pep") TOIG of: aay31552 o

AAY31552 standard; peptide; 36 AA

AAY31552;

08-NOV-1999 (first entry)

Exendin agonist peptide

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contestility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow

Heloderma sp. Synthetic

/note= "hydroxyproline; C-terminal amide" note= "hydroxyproline" Location/Qualifiers Key Modified-site Modified-site

WO9940788-A1

19-AUG-1999.

99WO-US002554. 05-FEB-1999; 98US-0075122P. 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Young AA, Vine W, Beeley NRA, Prickett K;

WPI; 1999-527332/44

Increasing urine flow by administering peptides or peptide agonists.

Example 51; Page 57; 94pp; English.

The invention relates to new methods of increasing urine flow that

Comprises administering an exendin or exendin agonist, or a GLP-1

(glucagon-like peptide) or GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 agonist. The new methods using an

exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for

constraint or alleviating a disorder associated with toxic hyperrolemia

(renal failure, congestive heart failure, nephrotic syndrome, pulmonary

congestive preparing an individual for surgical procedure,

increasing renal plasma flow and glomerular filtration rate, treating pre
colampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal plasma flow and glomerular filtration rate, treating pre
colampsia or eclampsia of pregnancy, and increasing a condition/

increasing renal plasma flow and glomerular filtration rate, treating pre
colampsia or eclampsia of pregnancy, and increasing a condition/

increasing the heart failure, pulmonary edema, systemic edema or renal

callure). Unlike prior art diuretics, the new methods increase urine

excretion and sodium excretion without increasing potassium loss, and are

fast acting. They have a prolonged duration of action, are inotropic,

have a low toxicity, and are easily administered intravenously. Sequences

AAY31505-560 represent examples of exendin agonists compounds

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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hyperrolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing in crapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating preclampsia or eclampsia of pregnancy, and increasing a condition/ clasorder that can be alleviated by increasing acadiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duturesis; renal plasma flow; glomerular filtration rate; pre-edlampsia; eclampsia of pregnancy; cardac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                        AAY31552 Length: 36 February 4, 2005 13:19 Type: P Check: 333 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Prickett K;
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                                                                                                                                                                                                                                                                                <del>د</del>٥:
                                                                                                                                     HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
                                                                                                                                                                                                                                                                                check: 7463 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 52; Page 57; 94pp; English.
                                                                                                                                                                                                                                                                                                                      AAY31553 standard; peptide; 35 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Beeley NRA,
                                                                                                                                                                                                                    match found in sequence: aay31553 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99WO-US002554
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Vine W,
                                                                                                                                                                                                                                                             (from "seq4ags.pep"
TOIG of: aay31553
                    Sequence 36 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young AA,
XX
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-1ike peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist. GLP-1 agonist are useful for exendin, exending adonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, or increasing urine flow, decreasing potassium concentration in urine, concerning or alleviating a disorder associated with toxic hypervolemia (crenal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary dema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; dirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Increasing urine flow by administering peptides or peptide agonists.
                                     2005 13:19 Type: P Check: 7463
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                                                                                                                                                                                                                                                         to: 30
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                                                                                                                RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
                                                                                                                                                                                                                                                         check: 4886 from: 1
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                                                                                                                                                                                                                                                                                                AAY31554 standard; peptide; 30 AA.
                                                                                                                                                                                            match found in sequence:
aay31554 ; Exendin agonist peptide.
                                     Length: 35 February 4,
g 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                               08-NOV-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44
                                                                                                                                                                                                                                      (from "seq4ags.pep")
TOIG of: aay31554
Sequence 35 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
                                                        Found using 'seq4'
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                                     AAY31553
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Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; dutuesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiactististy; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Increasing urine flow by administering peptides or peptide agonists.
                                                    February 4, 2005 13:19 Type: P Check: 4886
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                                                                                                                                                                                                                                                            to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       'note= "Naphtylalanine"
                                                                                                                                                                                                                                                            check: 369 from: 1
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                                                                                                                                                                                                                                                                                               AAY31555 standard; peptide; 28 AA.
                                                                                                                             HGDGTFTSDLSKOMEEEAVRLFIEWLKNGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beeley NRA,
                                                                                                                                                                                                    1 match found in sequence:
    aay31555; Exendin agonist peptide.
    (from "seq4ags.pep")
    TOIG of: aay31555 check: 369 from
                                                    AAY31554 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        urine flow
                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vine W,
                     Sequence 30 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                                                                                                                                                                     AAY31555;
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comparises administering an exemdin or exendin agonist, or a GLP-1 comparises administering an exemdin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (frenal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular failure rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing net inotropic, fast acting. They have a prolonged duration of action, are inotropic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; conqestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
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                                                                                                                                                                                                   AAY31555 Length: 28 February 4, 2005 13:19 Type: P Check: 369 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             to: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY31556 standard; peptide; 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aay31556 ; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31556 check: 693 from
                                                                                                                                                                                                                                                                                                                                                                             HGEGTXTSDLSKQLEEEAVRLFIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   match found in sequence:
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                                                                                                                              Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
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have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
a low toxicity,
    SXSS
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Sequence 28 AA;

AAY31556 Length: 28 February 4, 2005 13:19 Type: P Check: 693 Found using '8eq4' (mohamed337.key)

HGEGTFSSDLSKOMEEEAVRLFIEWLKN 1

58 ;; check: 701 from: 1 1 match found in sequence:
 aay31557; Exendin agonist peptide.
 (from "seq4ags.pep," TOIG of: aay31557 check: 701 fro

AAY31557 standard; peptide; 28 AA.

AAY31557;

08-NOV-1999 (first entry)

Exendin agonist peptide.

Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; duresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

Synthetic

Location/Qualifiers Key Modified-site Heloderma sp.

/note= "C-terminal amide"

WO9940788-A1

19-AUG-1999

99WO-US002554 05-FEB-1999;

(AMYL-) AMYLIN PHARM INC.

Prickett K; Beeley NRA, Young AA, Vine W,

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 56; Page 59; 94pp; English.

comprises administrating an exendin or exendin agonist, or a GLP-1 comprises administrating an exendin or exendin agonist. The new methods using an exendin, exendin exendin or GLP-1 agonist. The new methods using an glucagon-like peptide) or GLP-1 agonist. The new methods using an increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-clampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, The invention relates to new methods of increasing urine flow that

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easily administered intravenously.
                 exendin agonists compounds
 have a low toxicity, and are easily
AAY31505-560 represent examples of
low toxicity,
88333
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Sequence 28 AA;

Check: 701 February 4, 2005 13:19 Type: P Found using 'seq4' (mohamed337.key) AAY31557 Length: 28

HGEGTFSTDLSKOMEEEAVRLFIEWLKN

to: 28 check: 649 from: 1 1 match found in sequence:
aay31558; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31558 check: 649 fro

AAY31558 standard; peptide; 28 AA

AAY31558;

08-NOV-1999 (first entry)

Exendin agonist peptide.

Exendin; agonist; GLP-1; glucagon-1ike peptide; toxic hypervolemia; diuresis; renal plasma flow; glomentlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;

hypertension; urine flow

Synthetic

Heloderma sp.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO9940788-A1

19-AUG-1999.

99WO-US002554. 05-FEB-1999; 98US-0075122P. 13-FEB-1998;

(AMYL-) AMYLIN PHARM INC.

Young AA, Vine W, Beeley NRA, Prickett K;

WPI; 1999-527332/44.

Increasing urine flow by administering peptides or peptide agonists.

Example 57; Page 60; 94pp; English.

Comparises administering an exendin or exendin agonist, or a GLP-1 control or exendin agonist, GLP-1 agonist. The new methods using an exendin agonist, GLP-1 agonist are setul for control or cap-1 agonist are setul for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia creasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia creasing crant failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular failure rate, treating precedampsia or clampsia of pregnancy, and increasing a condition/ disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, wethods increase urine failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, The invention relates to new methods of increasing urine flow that

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comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to new methods of increasing urine flow that
                                                                                           649
                                                                                         AAY31558 Length: 28 February 4, 2005 13:19 Type: P Check: Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Prickett K;
                                                                                                                                                                                                                                                                                         28
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                                                                                                                                                                                                                                                                                           to:
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                                                                                                                                                                                                                                                                                        check: 211 from: 1
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                                                                                                                                                                                                                                                                                                                           AAY31559 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beeley NRA,
                                                                                                                                                                                                                                                aay31559; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31559 check: 211 from
                                                                                                                                                              HGEGTFTSELSKOMAEEAVRLFIEWLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99WO-US002554
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                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide.
                                                                                                                                                                                                                                       match found in sequence:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vine W,
                                                      Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic.
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 8X333
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pullmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condittion/disorder that can be alleviated by increasing cardiac contractility
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampaia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                          Check: 211
                                                                                                                         AAY31559 Length: 28 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Prickett K;
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                                                                                                                                                                                                                                                                                                                            from: 1
                                                                                                                                                                                                                                                                                                                                                              AAY31560 standard; peptide; 28 AA
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HGEGTFTSDGSKQLBEBAVRLFIEFLKN
28
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                                                                                                                                                                                                                                                                    match found in sequence:
aay31560 ; Exendin agonist peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                   08-NOV-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hypertension, urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-527332/44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young AA, Vine W,
                                                                                                                                                                                                                                                                                                        (from "seq4ags.pep")
TOIG of: aay31560 c
                                                                                         Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                 AAY31560;
 8X88X8
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
(congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing poteasium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravencusly. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Exendin, agonist; GLP-1, glucagon-like peptide, toxic hypervolemia, diuresis, renal plasma flow, glomerular filtration rate, pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                     February 4, 2005 13:19 Type: P Check: 657
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                                                                                                                                                                                                                                                                                                                                                                                to: 28
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                                                                                                                                                                                                                                                                                                                                                                              check: 1045 from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                    AAY31561 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Beeley NRA,
                                                                                                                                                                                                                                                                                                                      1 match found in sequence:
aay31561 ; Exendin agonist peptide.
(from "seq4ags_pep")
                                                                                                                                                                         AAY31560 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                  HGEGTFTSDLSKOLEEEAVRLXIEFLKN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hypertension; urine flow.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Exendin agonist peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vine W,
                                                                                                                                      Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                    TOIG of: aay31561
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY31561;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Exendin, agonist, GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomernlar filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                   Check: 1045
                                                                                                                                                                                                                   Type: P
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                                                                                                                                                                                                                   AAY31561 Length: 28 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31562 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKQMEEBAVRLFXEWLKN
1
                                                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aay31562; Exendin agonist peptide.
(from "seq4ags.pep")
(TolG of: aay31562 check: 237 frol
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Exendin agonist peptide.
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                                                                                                                                                                                 Sequence 28 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31562;
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-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravenously. Sequences AAX31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparting an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                 Type: P Check: 237
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                                                                                                                                                                                                                                                                                                                                                                                                                           to: 33
                                                                                                                                                                                                               28 February 4, 2005 13:19 (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "C-terminal amide"
                                                                                                                                                                                                                                                                                                                                                                                                                           from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY31563 standard; peptide; 33 AA
                                                                                                                                                                                                                                                                                  HGEGTFTSDLSKQLEEEAVRLFIDFLKN
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                                                                                                                                                                                                                                                                                                                                                                                  aay31563 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99WO-US002554.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0075122P
                                                                                                                                                                                                                                                                                                                                                                                                                         check: 2215
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1999-527332/44.
                                                                                                                                                                                                                                                                                                                                                                match found in sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Vine W,
                                                                                                                                                                                                             AAY31562 Length: 28 Found using 'seq4' (mc
                                                                                                                                                                                                                                                                                                                                                                                                       (from "seq4ags.pep")
TOIG of: aay31563 c
                                                                                                                                                                          Sequence 28 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY31563;
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-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are increopic, have a low toxicity, and are easily administered intravenously. Sequences AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diutesis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of pregnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Increasing urine flow by administering peptides or peptide agonists.
                                                                                                                                                                                                                         Check: 2215
                                                                                                                                                                                                                       Type: P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Young AA, Vine W, Beeley NRA, Prickett K;
                                                                                                                                                                                                                                                                                                                                                                                                                                              29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "C-terminal amide"
                                                                                                                                                                                                                         AAY31563 Length: 33 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)
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:
                                                                                                                                                                                                                                                                                                                                                                                                amylise4; Exendin agonist peptide.
(from "seq4ags.pep")
TOIG of: aay31564 check: 2649 from: 1
                                                                                                                                                                                                                                                                                                   HGEGTFTSDASKQLEEEAVRLFIEFLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 63; Page 63; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY31564 standard; peptide; 29 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99WO-US002554.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) - AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hypertension; urine flow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1999-527332/44.
                                                                                                                                                                                 Sequence 33 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            05-FEB-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY31564;
    8888888888
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rapid diuresis, preparing an individual for surgical procedure, increasing renal plasma flow and glomerular filtration rate, treating pre-eclampsia or eclampsia of pregnancy, and increasing a condition/disorder that can be alleviated by increasing cardiac contractility (congestive heart failure, pulmonary edema, systemic edema or renal failure). Unlike prior art diuretics, the new methods increase urine excretion and sodium excretion without increasing potassium loss, and are fast acting. They have a prolonged duration of action, are inotropic, have a low toxicity, and are easily administered intravencesty. Sequences AXX31505-560 represent examples of exendin agonists compounds

88888888888888

Type: P Check: 3183

AAY31565 Length: 37 February 4, 2005 13:19 Found using 'seq4' (mohamed337.key)

Sequence 37 AA;

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-eclampsia or eclampsia of pregnancy, and increasing a condition/
disorder that can be alleviated by increasing cardiac contractility
(congestive heart failure, pulmonary edema, systemic edema or renal
failure). Unlike prior art diuretics, the new methods increase urine
excretion and sodium excretion without increasing potassium loss, and are
fast acting. They have a prolonged duration of action, are inotropic,
have a low toxicity, and are easily administered intravenously. Sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Exendin; agonist; GLP-1; glucagon-like peptide; toxic hypervolemia; diuresis; renal plasma flow; glomerular filtration rate; pre-eclampsia; eclampsia of preagnancy; cardiac contractility; renal failure; diuretic; congestive heart failure; nephrotic syndrome; pulmonary edema; cirrhosis; hypertension; urine flow.
                                                                                                                                                           Check: 2649
                                                                                                    AAY31505-560 represent examples of exendin agonists compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "hydroxyproline; C-terminal amide"
                                                                                                                                                        AAY31564 Length: 29 February 4, 2005 13:19 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                  to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'note= "hydroxyproline"
                                                                                                                                                                                                                                                                                                                  check: 3183 from: 1
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                                                                                                                                                                                                                                                                                                                                              AAY31565 standard; peptide; 37 AA.
                                                                                                                                                                                                                  HGEGTFTSDASKQMEEEAVRLFIEWLKNG
1
                                                                                                                                                                                                                                                                                       aay31565 ; Exendin agonist peptide.
                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                 Exendin agonist peptide
                                                                                                                                                                                                                                                                         match found in sequence:
                                                                                                                                                                                                                                                                                                     from "seq4ags.pep")
OIG of: aay31565
                                                                                                                                Sequence 29 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                            AAY31565
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This sequence represents an exendin peptide, and is a GLP-1 agonist. The invention relates to the use of a glucagon like peptide-1 (GLP-1), its analogue, derivative, or a GLP-1 agonist for the preparation of a medicament for delaying the progression of impaired glucose tolerance (IGT) or non-insulin requiring type II diabetes to insulin requiring type II diabetes. The invention also relates to the use of GLP-1, its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of GLP-1, its analogs, derivatives and agonists for increasing insulin synthesis, delaying progression of impaired glucose tolerance or non-insulin requiring type II diabetes to insulin requiring type II
                                                                                                                                                                                                                                            Exendin, GLP-1; agonist; glucagon like peptide-1; insulin synthesis; impaired glucose tolerance; IGT; non-insulin requiring type II diabetes; insulin requiring type II diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bjorn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tromholt N,
                                                                                                  to: 31
HGEGTFTSDASKQMEEEAVRLFIEWLKNGGPSSGAPP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rugh S,
                                                                                                    check: 7617 from: 1
                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 4; 68pp; English.
                                                                                                                                 Ā
                                                                                                                                                                                                                                                                                                                                                                /label= Pro, Tyr
                                                                                                                               AAY76998 standard; peptide; 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nielsen JH, Friedrichsen BN,
Knudsen LB, Sturis J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     99WO-DK000424.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98DK-00000998.
                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (NOVO ) NOVO-NORDISK AS.
                                                                        aay76998 ; Exendin peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-205569/18.
                                                         1, match found in sequence
                                                                                                                                                                                                                                                                                                                                                 Misc-difference 31
                                                                                                                                                                                                                      Exendin peptide.
                                                                                     (from "seq4ags.pep")
TOIG of: aay76998 c
                                                                                                                                                                                                                                                                                                                                                                                             WO200007617-A1
                                                                                                                                                                                                                                                                                                         Unidentified
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                                                                                                                                                                                         01-JUN-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diabetes.
                                                                                                                                                             AAY76998;
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The invention relates to new methods of increasing urine flow that comprises administering an exendin or exendin agonist, or a GLP-1 (glucagon-like peptide) or GLP-1 agonist. The new methods using an exendin, exendin agonist, GLP-1 or GLP-1 agonist are useful for increasing urine flow, decreasing potassium concentration in urine, preventing or alleviating a disorder associated with toxic hypervolemia (renal failure, congestive heart failure, nephrotic syndrome, pulmonary edema, cirrhosis, or hypertension). They can also be used for inducing

Increasing urine flow by administering peptides or peptide agonists.

Example 65; Page 64; 94pp; English.

Prickett K;

Beeley NRA,

WPI; 1999-527332/44. Young AA, Vine W,

(AMYL-) AMYLIN PHARM INC.

99WO-US002554. 98US-0075122P

05-FEB-1999; 13-FEB-1998;

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Found using 'seq4' (mohamed337.key)

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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinproducing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
analogues, derivatives and agonists for increasing the insulin synthesis capability of a subject. The GLP-1 derivative is Arg34,Lys26(N-epsilon-(gamma-Glu(N-alpha-hexadecanoy1))-GLP-1(7-37). The GLP-1 agonist is particularly GLP-1(7-37) and GLP-1(7-36)amide and the corresponding Thr8, Met8, Gly8 and val8 analogues. The method is used for delaying progression of impaired glucose tolerance or non-insulin requiring type II diabetes and for increasing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY76998 Length: 31 February 4, 2005 13:19 Type: P Check: 7617 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Greig N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
aay78957 ; Extendin-4 (1-39) active fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (USSH ) US DEPT HEALTH & HUMAN SERVICES.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin-4 (1-39) active fragment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |-----|
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY78957 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                     insulin synthesis
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TOIG of: aay78957 c
                                                                                                                                                                                                                                                                                                                                                              Sequence 31 AA;
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AAY78957 Length: 39 February 4, 2005 13:20 Type: P Check: 9570

Sequence 39 AA;

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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
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                                                                                                      aay78958 ; Extendin-4 (1-38) active fragment amino acid sequence.
(from "seq4ags.pep")
TOIG of: aay78958 check: 6333 from: 1 to: 38
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ay78959; Extendin-4 (1-37) active fragment amino acid sequence.
(from "seq4ags.pep")
TOIG Of: aa778959 check: 3293 from: 1 to: 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Passaniti A, Greig N, Holloway H;
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                   1 match found in sequence:
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AAY78959;

Holloway H;

Greig N,

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Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promete pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
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aay78961 ; Extendin-4 (1-35) active fragment amino acid sequence.
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TOIG of: aay78961
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    This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinproducing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
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axyY8960 ; Extendin-4 (1-36) active fragment amino acid sequence.
(from "seq4ags.pep")
TOIG of: aay78960 check: 333 from: 1 to: 36
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AAY78959 standard; peptide; 37
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mellitus

Egan J,

to:

Greig N, Holloway H;

AAY78960

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and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
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                                                                          Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes
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                        WPI; 2000-205999/18
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                                                                                                                                  mellitus
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1 match found in sequence: aay78962 ; Extendin-4 (1-34) active fragment amino acid sequence. to: 34 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA check: 5178 from: 1 m "seq4ags.pep") of: aay78962 c

Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet. Extendin-4 (1-34) active fragment amino acid sequence. AAY78962 standard; peptide; 34 AA (first entry) Heloderma suspectum. 05-JUN-2000 AAY78962;

(USSH) US DEPT HEALTH & HUMAN SERVICES. 99WO-US018099 98US-0095917P WO200009666-A2. 10-AUG-1999; 10-AUG-1998; 24-FEB-2000.

Holloway H; Greig N, Passaniti A, Egan J, Perfetti R, WPI; 2000-205999/18 Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes

Disclosure; Page 17; 119pp; English.

mellitus.

This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion,

Sequence 33 AA;

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and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of foon-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes
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ay79863; Extendin-4 (1-33) active fragment amino acid sequence.
from "seq4ags.pep")
TOIG of: aay78963 check: 2764 from: 1 to: 33
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33 February 4, 2005 13:20 Type: P Check: 2764
(mohamed337.key)

AAY78963 Length: 33

Found using 'seq4'

AAY78965 standard; peptide; 31 AA.

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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulin-producing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
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                                                                                 1 match found in sequence:
aay78964; Extendin-4 (1-32) active fragment amino acid sequence.
(from "seq4ags.pep")
TOIG of: aay78964 check: 25 from: 1 to: 32
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aay78965 ; Extendin-4 (1-31) active fragment amino acid sequence.
(from "seq4ags.pep")
TOIG of: aay78965 check: 7369 from: 1 to: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Passaniti A, Greig N, Holloway H;
                                                                                                                                                                                                                                                                                                                     Extendin-4 (1-32) active fragment amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (USSH ) US DEPT HEALTH & HUMAN SERVICES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 17; 119pp; English.
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPS
                                                                                                                                                                                          AAY78964 standard; peptide; 32 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY78964 Length: 32 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US018099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              98US-0095917P
                                                                                                                                                                                                                                                                           05-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Egan J, Perfetti R,
                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma suspectum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-205999/18.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200009666-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-AUG-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-FEB-2000
                                                                                                                                                                                                                                    AAY78964;
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This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantilies, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendocrine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinproducing cells from a population of non-insulin producing cells. The methods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes
                                                                                                                                           Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Extendin-4; Gila Monster lizard; insulin producing cell; insulin; amylase; diabetes mellitus type 1; human; livestock; pet.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAY78965 Length: 31 February 4, 2005 13:20 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 . match found in sequence:
aay78966; Extendin-4 (1-30) active fragment amino acid sequence.
(from "seq4ags.pep")
TOIG of: aay78966 check: 4889 from: 1 to: 30
                                                                                                                                                                                                                                                                                                                                                                                                                       Holloway H;
                                                                                                           Extendin-4 (1-31) active fragment amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Extendin-4 (1-30) active fragment amino acid sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                         Greig N,
                                                                                                                                                                                                                                                                                                                                                                                     (USSH ) US DEPT HEALTH & HUMAN SERVICES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Page 17; 119pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                         Passaniti A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY78966 standard; peptide; 30 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP
                                                                                                                                                                                                                                                                                                              99WO-US018099
                                                                                                                                                                                                                                                                                                                                                  98US-0095917P.
                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               05-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                         Perfetti R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2000-205999/18.
                                                                                                                                                                                                   Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 31 AA;
                                                                                                                                                                                                                                       WO200009666-A2
                                                                      05-JUN-2000
                                                                                                                                                                                                                                                                                                              10-AUG-1999;
                                                                                                                                                                                                                                                                                                                                                  10-AUG-1998;
                                                                                                                                                                                                                                                                           24-FEB-2000.
                                AAY78965;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  mellitus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY78966;
                                                                                                                                                                                                                                                                                                                                                                                                                         Egan J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 match
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The present sequence represents an extendin-3 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering praymed or glucagonna. The method is also useful for treating erythema or glucagonoma. The method is also useful for treating diucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Extendin-4; Gila monster lizard; Mexican Beaded lizard; exendin; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                         Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY94010 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HSDGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 match found in sequence:
aay94011 ; Amino acid sequence of extendin-4.
[from "seq4ags.pep"]
TOIG of: aay94011 check: 9570 from: 1 to:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY94011 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                 Example 1; Fig 1; 96pp; English.
                                                                                                                                                                                                                                                                                                        hyperglucagonemia and diabetes.
                                          14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                          Gedulin B;
                                                                                                                                                                                                                     WPI; 2000-490999/43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200041548-A2
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Modified-site
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30-APR-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY94011;
                                                                                                                                                                          Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diabetes
  This sequence represents an extendin-4 active fragment peptide sequence. Extendin-4 is a peptide produced in the salivary gland of the Gila Monster lizard. Extendin-4 has been shown to promote insulin secretion, and given in equimolar quantities, is more potent than glucagon-like protein-1 (GLP-1) at causing insulin release from insulin producing cells. GLP-1 is a hormone normally secreted by neuroendoorine cells of the gut, in response to food. GLP-1 fragments or Extendin-4 growth factor fragments can be used in the production of a population of insulinmethods may also be used to promote pancreatic amylase producing cells to produce both insulin and amylase. The methods are used to treat diabetes mellitus (type 1) in humans, domesticated animals, livestock and pets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin-3; Gila monster lizard; Mexican Beaded lizard; exendin;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                 Differentiation of non-insulin producing cells into insulin-producing cells by glucagon-like peptide-1 or extendin-4, used to treat diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY78966 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                              Greig N, Holloway H;
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aay94010 ; Amino acid sequence of extendin-3.
                                                                                                                                                                                                                     (USSH ) US DEPT HEALTH & HUMAN SERVICES.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 17; 119pp; English.
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39
                                                                                                                                                                                                                                                                Passaniti A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY94010 standard; peptide; 39 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG
                                                                                                                                99WO-US018099
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                                                                                                                                                                                                                                                                Egan J, Perfetti R,
                                                                                                                                                                                                                                                                                                      WPI; 2000-205999/18.
  Heloderma suspectum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma horridum.
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folg of: aay94010 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 30 AA;
                                            WO200009666-A2
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Modified-site
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                                                                                                                                10-AUG-1999;
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                                                                                       24-FEB-2000
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                                                                                                                                                                                                                                                                                                                                                                                              mellitus
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon nevel manas, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                            AAY94013 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 match found in sequence:
aay94014; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94014 check: 9556 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                      Disclosure, Fig 3A, 96pp, English.
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                                     hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY94014 standard; peptide; 39
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                             Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200041548-A2
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Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young A,
                                                                                                                                                                                                                                                                                                           diabetes
   The present sequence represents an extendin-4 peptide. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. It is used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonem. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide, plasma glucagon, necrolytic erythema; glucagonoma,
                                                                                                                                           Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY94011 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 ound using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
aay94013 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                  Example 1; Fig 2; 96pp; English
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 10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hyperglucagonemia; diabetes.
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                                     (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AMYL-) AMYLIN PHARM INC
                                                                        Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gedulin B;
                                                                                                          WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-490999/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200041548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Found using 'seq4'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY94013;
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                                                                        Young A,
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lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon. Comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                            Check: 9556
                                                                                                                                                                                                                                                          AAY94014 Length: 39 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                       of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                         |-----|
HGEGTFTSDLSKQLEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY94015 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              check: 9145
                                                                                                                                                                                                                                                                                                                                                                                                   20-OCT-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-490999/43
                                                                                                                                                                                                                     Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200041548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOIG of: aay94015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY94015;
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    8866666666688888
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic extythems or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
glucagon levels and/or suppression of glucagon, e.g. type 1 and type diabetes
                                                                                                    AAY94015 Length: 39 February 4, 2005 13:20 Type: P Check: 9145 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY94016 Length: 39 February 4, 2005 13:20 Type: P Check: 9587
Found using 'seg4' (mohamed337.key)
                                                                                                                                                                                                                                                                1 match found in sequence:
aay94016 ; Amino acid sequence of an extendin agonist.
  (from "seq4ags.pep")
  TOIG of: aaay94016 check: 9587 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Amino acid sequence of an extendin agonist.
                                                                                                                                                                                      HGEGTFTSDLSKQMEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 3A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                AAY94016 standard; peptide; 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-490999/43.
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                                                                   Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200041548-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                       AAY94016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diabetes
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to: 39

from: 1

seq4_ags.res

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Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                   Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Fig 3A; 96pp; English.
                                       AAY94018 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                            14-JAN-2000; 2000WO-US000942.
TOIG of: aay94018 check: 9567
                                                                                                                         20-OCT-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gedulin B;
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                                                                                                                                                                                                                                                                                                                                                           WO200041548-A2
                                                                                                                                                                                                                                                                                                                Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                     20-JUL-2000.
                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Young A,
                                                                                  AAY94018;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diabetes
                                           AAV94013-43 represent extendin agonists, derived from AAV94012. Extendina are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonnen. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                         Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY94017 Length: 39 February 4, 2005 13:20 Type: P Check: 9804 Found using 'seq4' (mohamed337.key)
                                                                                                 1 match found in sequence:
aay94017 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94017 check: 9804 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                        Amino acid sequence of an extendin agonist.
                   YGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 3A; 96pp; English.
                                                                                                                                                                                                            AAY94017 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000942.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                            20-OCT-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200041548-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                     AAY94017;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Young A,
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic extythem are glucagonemia. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY94018 Length: 39 February 4, 2005 13:20 Type: P Check: 9567 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 match found in sequence:
aay94019 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HGDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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to
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of: aay94019 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39 AA;
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1 match found in sequence: aay94018 ; Amino acid sequence of an extendin agonist. (from "seq4ags.pep")

HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPY

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AAY94013-43 represent extendin agonists, derived from AAY94012. Extending are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon levels maked is useful for reating from herrolytic hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                         Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY94020 Length: 39 February 4, 2005 13:20 Type: P Check: 9563 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure, Fig 3A; 96pp; English.
                                                                                                                                                                                            30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P
                                                                                                                                             14-JAN-2000; 2000WO-US000942
hyperglucagonemia; diabetes
                                                                                                                                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                              Gedulin B;
                                                                                                                                                                                                                                                                                                             WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 39 AA;
                                                                              WO200041548-A2
                                                                                                                                                                               14-JAN-1999;
                                               Heloderma sp
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                                                                                                              20-JUL-2000
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                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY94021;
                                                                                                                                                                                                                                                                                Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BX2X5XXXXXXXX
 AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagonoma; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
                           Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY94019 Length: 39 February 4, 2005 13:20 Type: P Check: 9678 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      match found in sequence:
aay94020; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amino acid sequence of an extendin agonist.
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                                                                                                                                                                               /note= "napthylalanine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         from: 1
                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Fig 3A; 96pp; English.
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                                                                                                                                                                                                                                                                                                           14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                              Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 39 AA;
                                                                                                                                                                                                            WO200041548-A2
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                                                                                                                                                            Modified-site
                                                                                               Synthetic.
Heloderma sp.
                                                                                                                                                                                                                                              20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                              Young A,
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Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                        1 match found in sequence:
aay94021 ; Amino acid sequence of an extendin agonist.
(from "seq4ags pep")
TOIG of: aay94021 check: 9571 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Amino acid sequence of an extendin agonist.
HGEGTFSSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                   AAY94021 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-OCT-2000 (first entry)
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Synthetic
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                        Young A,
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma ar glucagon level in the method is suffering from necrolytic extrhem are glucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; dlabetes.
                                                                                                                                                                                                                                                                                                  Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                              14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                        14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                  (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                Gedulin B;
                                                                                                                                                                                                                                                           WPI; 2000-490999/43.
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TOIG of: aay94022 c
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating erythema or glucagonoma. The method is also useful for treating glucagon levels and/or suppression of glucagon, e.g. type I and type 2 diabetes
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
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                                                                                                                                       Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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(from "seq4ags.pep")
TOIG of: aay94023 check: 9579 from: 1 to: 39
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HGEGTFTTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                       Disclosure; Fig 3A; 96pp; English.
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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Gedulin B;
                                                               WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 39 AA;
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20-OCT-2000
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                                                                                                                                                      diabetes
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   8888888888888888888
                                       AAY94013-43 represent extendin agonists, derived from AAV94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating erythema and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; glucagonoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins
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                                                                                                                                                                                                                                                                                                                                                                                              1 match found in sequence:
aay94024 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       of an extendin agonist.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                from: 1
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               Disclosure, Fig 3A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY94024 standard; peptide; 39 AA
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10-JAN-2000; 2000US-0175365P
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TOIG of: aay94024 check: 9690
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Modified-site
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XXXUUUUUU
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are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, method is useful for lowering plasma glucagonena. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 match found in sequence:
any94025 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94025 check: 9251 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino acid sequence of an extendin agonist.
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HGEGTFTSDXSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                     Sequence 39 AA;
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Modified-site
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exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
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                                                                                                                                                                                       AAY94025 Length: 39 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                       match found in sequence:
aay94026 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                    |------|
HGEGTFTSDXSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "pentyl-glycine"
                                                                                                                                                                                                                                                                                                                                                                                               check: 9724 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Fig 3A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY94026 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                               from "seq4ags.pep";
OIG of: aay94026
                                                                                                                                                     Sequence 39 AA;
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                              glucagon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY94026;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Young A,
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonnen. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                               Check: 9724
                                                                                                               Type: P
                                                                                                                                                                                                                                                  1 match found in sequence:
aay94027 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                         Amino acid sequence of an extendin agonist.
                                                                                                                                                                              HGEGTFTSDLSKQXEEEAVRLFIEWLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                       t0:
                                                                                                               2005 13:20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "pentyl-glycine"
                                                                                                                                                                                                                                                                                                     from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                      AAY94027 standard; peptide; 39 AA
                                                                                                               39 February 4, (mohamed337.key)
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                     check: 9299
                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-490999/43.
                                                                                                               AAY94026 Length: 39
Found using 'seq4' (mc
                                                                                                                                                                                                                                                                                     (from "seq4ags.pep")
TOIG of: aay94027 c
                                                                               Sequence 39 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200041548-A2
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                      AAY94027;
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              883333
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for reating from hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type I and type 2
                                                                                                                                                                                                                                                                                                                                                                                           Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                  AAY94027 Length: 39 February 4, 2005 13:20 Type: P Check: 9299 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                      1 match found in sequence:
aay94028 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                               Amino acid sequence of an extendin agonist.
                                                                                                    HGEGTFTSDLSKQXEEEAVRLFIBFLKNGGPSSGAPPPS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "naphthylalanine"
                                                                                                                                                                                                          (from "seq4ags.pep")
TOIG of: aay94028 check: 9966 from: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                            AAY94028 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Fig 3A; 96pp; English.
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                             20-OCT-2000 (first entry)
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 Sequence 39 AA;
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
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SO
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                               Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                      l match found in sequence:
    aay94029; Amino acid sequence of an extendin agonist.
    (from "seq4ags pep")
    TOIG of: aay94029 check: 9869 from: 1 to: 39
                                                                                                                                                                                                                                                                                                   Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQMEEEAVRLXIEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Fig 3A; 96pp; English.
                                                                                                                                                                                     AAY94029 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WO200041548-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
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diabetes
                                                                                                                                                                                                                          AAY94029;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Young A,
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. match found in sequence: aay94030 ; Amino acid sequence of an extendin agonist.

1 match

AAY94028 Length: 39 February 4, 2005 13:20 Type: P Check: 9966 Found using 'seq4' (mohamed337.key)

AAY94030;

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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon levels, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                  Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              match found in sequence: aay94032; Amino acid sequence of an extendin agonist
                                                                                                                                                                                                                                                                            /note= "tertiary-butyl glycine"
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                   Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQMEEEAVRLFXEWLKNGGPSSGAPPPS
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                                                                                                                                                                                                                           Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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TOIG of: aay94032 c
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                                                                                                                                                                                                                                   Key
Modified-site
                                                                                                                                                          Synthetic.
Heloderma sp.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering phasma or glucagonem. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                    Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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(from "seq4ags.pep")
TOIG of: aay94031 check: 9915 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2005 13:20 Type:
                          to: 39
                                                                                                                                                                                                             Amino acid sequence of an extendin agonist.
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                          from: 1
                                                                      AAY94030 standard; peptide; 39 AA.
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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(from "seq4ags.pep")
TOIG of: aay94030 o
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diabetes

SXXXE

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Heloderma sp.
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                                                   20-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                    Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                 diabetes
        AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin gonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering prythema or glucagonema. The method is also useful for treating from necrolytic hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                         Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY94032 Length: 39 February 4, 2005 13:20 Type: P Check: 9476 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence:
aay94033; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
                                                                                                  /note= "tertiary-butyl glycine"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   HGEGTFTSDLSKOLEEEAVRLFXEFLKNGGPSSGAPPPS
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                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                       Disclosure; Fig 3B; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY94033 standard; peptide; 39 AA
                                                                                                                                                                                        14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                    14-JAN-2000; 2000WO-US000942.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 check: 9546
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                                                                                                                                                                                                                                       (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                             Gedulin B;
                                                                                                                                                                                                                                                                                    WPI; 2000-490999/43.
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                                                                                                                        WO200041548-A2
                                                                          Key
Modified-site
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                                                    Heloderma sp
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                                         Synthetic
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                                                                                                                                                                                                                                                             Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diabetes
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, the method is useful for lowering plasma or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aay94034 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
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                                                                                                                                                           14-JAN-2000; 2000WO-US000942.
                                                                                                                                                                                                                                14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                            (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 39 AA;
WO200041548-A2
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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                                                                                                                                                                                                                                                         Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY94035 Length: 39 February 4, 2005 13:20 Type: P Check: 706 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       . match found in sequence:
aay94036 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94036 check: 458 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 'note= "thioproline"
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                                                                                                                                                                                                                                                                                                                                                 Disclosure; Fig 3B; 96pp; English.
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  14-JAN-2000; 2000WO-US000942.
                                          99US-0116380P.
99US-0132017P.
                                                                                   10-JAN-2000; 2000US-0175365P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                              (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                        Young A, Gedulin B;
                                                                                                                                                                                                                 WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 39 AA;
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Modified-site
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                                          14-JAN-1999;
30-APR-1999;
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Heloderma sp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    diabetes
  AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                   , an exendin agonist, a modified useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY94034 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)
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aay94035 ; Amino acid sequence of an extendin agonist.
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                                                                                                                                                                                                                   Lowering plasma glucagon using exendin, exendin or a modified exendin agonist, thyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                      Disclosure, Fig 3B, 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY94035 standard; peptide; 39 AA
99US-0116380P.
99US-0132017P.
                                          10-JAN-2000; 2000US-0175365P
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                                                                                     (AMYL-) AMYLIN PHARM INC.
                                                                                                                              Gedulin B;
                                                                                                                                                                        WPI; 2000-490999/43.
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of: aay94035 c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 39 AA;
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Modified-site
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  14-JAN-1999;
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Heloderma sp.
                        10-APR-1999
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                                                                                                                                Young A,
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma or glucagonnar. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                              Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
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aay94038; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94038 check: 458 from: 1 to: 39
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HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                             hyperglucagonemia and diabetes.
                                                                                    14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                          14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                             (AMYL-) AMYLIN PHARM INC.
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                                                                                                                                                                                                                         Young A, Gedulin B;
                                                                                                                                                                                                                                                                      WPI; 2000-490999/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 39 AA;
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  20-JUL-2000.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAY94038;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         diabetes
AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. a modified exendin or amodified exendin gonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagonema. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; dlabetes.
                                                                                                                                                                                                                                                                 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY94036 Length: 39 February 4, 2005 13:20 Type: P Check: 458 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               . match found in sequence:
aay94037; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94037 check: 706 from: 1 to: 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amino acid sequence of an extendin agonist.
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                                       14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942
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                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                               Gedulin B;
                                                                                                                                                                                                                         WPI; 2000-490999/43.
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AMY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY94039 Length: 39 February 4, 2005 13:20 Type: P Check: 267 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              . match found in sequence:
aay94040 ; Amino acid sequence of an extendin agonist.
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HGEGTFTSDLSKQLBEEAVRLFIEFLKNGGXSSGAXXXS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY94040 standard; peptide; 39 AA
                                                                                                                                                                                                                                                                                                 hyperglucagonemia and diabetes.
                                                                                                                 30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                 14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                 (AMYL-) AMYLIN PHARM INC.
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 WO200041548-A2
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                                                                                                  14-JAN-1999;
                                20-JUL-2000
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Heloderma
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                                                                                                                                                                                                  Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diabetes
   AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for reating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon, necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                              Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 match found in sequence:
aay94039; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94039 check: 267 from: 1 to: 39
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/note= "thioproline"
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                              14-JAN-2000; 2000WO-US000942.
                                                             14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                               (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                Gedulin B;
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Heloderma sp.
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                                                                                                                                                                 Young A,
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/note= "N-methylalanine"
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THE HEAVE ON THE PROPERTY OF T
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aay94041 ; Amino acid sequence of an extendin agonist.
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TOIG of: aay94041 check: 706 from: 1 to: 39
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
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/note= "homoproline"
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gedulin B;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Young A,
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an agonist, a modified exendin nor a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level method is useful for lowering plasma or glucagonnam. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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lified exendin agonist, useful for treating
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Found using 'seq4' (mohamed337.key)
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(from "seq4ags.pep")
TOIG of: aay94042 check: 458 from: 1 to: 39
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/note= "N-methylalanine"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                         14-JAN-2000; 2000WO-US000942.
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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/note= "N-methylalanine"
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                       Modified-site
                                                              Modified-site
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Modified-site
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  THE SON THE STANDARD 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     lizard, and have sequence similarity to glucagon-like peptides. They are lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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(from "seq4ags.pep")
TOIG of: aay94043 check: 267 from: 1 to: 39
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  /note= "N-methylalanine"
                                            /note= "N-methylalanine"
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                       Modified-site
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Heloderma sp.
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AAY94013-43 represent extendin agonists, derived from AAY94012. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, The method is useful for lowering plasma or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2
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glucagon-like peptide, plasma glucagon, necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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3 'seq4' (mohamed337.key)
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aay94044 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
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HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
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/note= "N-methylalanine"
                                                                           /note= "N-methylalanine"
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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seq4_ags.res

Young A,

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Maxican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is susfell for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                              Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aay94046 , Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94046 check: 261 from: 1 to: 28
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                                                                                  14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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Modified-site
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Heloderma sp.
  20-JUL-2000.
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                        Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
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aay94045 ; Amino acid sequence of an extendin agonist.
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TOIG of: aay94045 check: 700 from: 1 to: 28
/note= "amidated residue"
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28
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                    14-JAN-2000; 2000WO-US000942
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                                                                                                                                                                                                                                                                      (AMYL-) AMYLIN PHARM INC
                                                                                                                                                                                                                                                                                                                   Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-490999/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 30 AA;
                                          WO200041548-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Key
Modified-site
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                                                                                       20-JUL-2000
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AAY94045;

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Gedulin B;
                                                                   WPI; 2000-490999/43
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                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200041548-A2
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Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY94048;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                   Young A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Young A,
   The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                              Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY94046 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  . match found in sequence:
aay94047 ; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino acid sequence of an extendin agonist
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "amidated residue"
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28
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                                                                                                                                                                                                                            Disclosure, Fig 4A; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY94047 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HGEGTFTSDLSKOLEEEAVRLFIEFLKN
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99US-0132017P.
2000US-0175365P.
14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-OCT-2000 (first entry)
                                                               (AMYL-) AMYLIN PHARM INC
                                                                                               Gedulin B;
                                                                                                                               WPI; 2000-490999/43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (from "seq4ags.pep")
TOIG of: aay94047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 28 AA;
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Modified-site
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30-APR-1999;
10-JAN-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-JUL-2000
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                                                                                               Young A,
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Extending are found in the sallvary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon is subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also benefit from reduced glucagon levels and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     agonist.
                                                                                                                                                                                                                            Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 extendin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequence represents a modified extendin or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 match found in sequence:
    aay94048 ; Amino acid sequence of an extendin agonist.
    (from "seq4ags.pep")
    TOIG of: aay94048 check: 166 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAY94047 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
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                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Fig 4A; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY94048 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HAEGTFTSDLSKQLEEEAVRLFIEFLKN
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10-JAN-2000; 2000US-0175365P
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(AMYL-) AMYLIN PHARM INC.
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hyperglucagonemia and diabetes.
                                                                                                                                                                                                   Sequence 28 AA;
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-JAN-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                     AAY94050;
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or subsetul for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for lowering plasma or glucagonon. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
                     Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
                                                                                                                                                                                                                                                                       AAY94048 Length: 28 February 4, 2005 13:20 Type: P Check: 166
                                                                                                                                                                                                                                                                                                                                                                  1 match found in sequence:
aay94049; Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino acid sequence of an extendin agonist.
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                                                                                                                                                                                                                                                                                                                                                                                                     check: 231 from: 1
                                                                    Disclosure, Fig 4A; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                            AAY94049 standard; peptide; 28 AA.
                                                                                                                                                                                                                                                                                                                    HGEGAFTSDLSKQLEEEAVRLFIEFLKN
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30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hyperglucagonemia; diabetes
                                                                                                                                                                                                                          type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gedulin B;
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WPI; 2000-490999/43
                                                                                                                                                                                                                                                                                                                                                                                           from "seq4ags.pep")
OIG of: aay94049 c
                                                                                                                                                                                                                                                Sequence 28 AA;
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Modified-site
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin sponist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is subfering from necrolytic erythema or glucagonna. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY94049 Length: 28 February 4, 2005 13:20 Type: P Check: 231
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           aay94050 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94050 check: 117 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Amino acid sequence of an extendin agonist.
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Disclosure; Fig 4A; 96pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Young A, Gedulin B;
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for merolyric erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
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                                                                                                                                                                                                                                                                                February 4, 2005 13:20 Type: P Check: 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                 extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amino acid sequence of an extendin agonist.
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28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 of an
                                                                                                                                                                                                                                                                                                                                                      HGEGTFTADLSKQLEEEAVRLFIEFLKN
1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                AAY94050 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14-JAN-2000; 2000WO-US000942
                                                                                                                                                                                                           type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                            match found in sequence: aay94051; Amino acid sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-OCT-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-490999/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from "seq4ags.pep")
                                                                                                                                                                                                                                               Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200041548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOIG of: aay94051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY94051;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          8
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and bexican Baeded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or achieved. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beseful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Extendin, Gila monster lizard, Mexican Beaded lizard, agonist;
glucagon-like peptide; plasma glucagon, necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                         Type: P Check: 151
                                                                                                                                                                                                                                                                                                                                                                          an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "amidated residue"
                                                                                                                                                                                                           AAY94051 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                <u>د</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                              from: 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY94052 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                    |-----|
HGEGTFTSDASKQLEEEAVRLFIEFLKN
1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                        1 match found in sequence:
aay94052; Amino acid sequence
[from "seq4ags.pep"]
TOIG of: aay94052 check: 63
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-OCT-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Young A, Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-490999/43.
                                                                                                                                                                        Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200041548-A2
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Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-JUL-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY94052;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
       8888888888888
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Baeded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes. suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes. Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; 63 Check: AAV94052 Length: 28 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key) 1 match found in sequence:
aay94053 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94053 check: 141 from: 1 to: 28 Amino acid sequence of an extendin agonist 28 /note= "amidated residue" Location/Qualifiers Disclosure; Fig 4A; 96pp; English. AAY94053 standard; peptide; 28 AA |------| HGEGTPTSDLAKQLEEEAVRLFIEFLKN 1 14-JAN-1999; 99US-0116380P 30-APR-1999; 99US-0132017P 10-JAN-2000; 2000US-0175365P. 14-JAN-2000; 2000WO-US000942 20-OCT-2000 (first entry) (AMYL-) AMYLIN PHARM INC. Gedulin B; WPI; 2000-490999/43. Sequence 28 AA; WO200041548-A2 Modified-site Heloderma sp. 20-JUL-2000 Synthetic AAY94053; Young A,

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonoma and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                  Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                               AAY94053 Length: 28 February 4, 2005 13:20 Type: P Check: 141
Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                        l match found in sequence:
    aay94054 ; Amino acid sequence of an extendin agonist.
    (from "seq4ags.pep")
    TOIG of: aay94054 check: 53 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                        Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "amidated residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
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                                                                                                                                                                                                                                                                                 AAY94054 standard, peptide; 28
                                                                                                                    HGEGTFTSDLSAQLEEEAVRLFIEFLKN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14-JAN-2000; 2000WO-US000942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                     20-OCT-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AMYL-) AMYLIN PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Young A, Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-490999/43.
                Sequence 28 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200041548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Heloderma sp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-JUL-2000.
                                                                                                                                                                                                                                                                                                                    AAY94054;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                            1 match
χg
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53

February 4, 2005 13:20 Type: P Check:

AAY94054 Length: 28

Sequence 28 AA;

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the dila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolyric erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY94055 Length: 28 February 4, 2005 13:20 Type: P Check: 107 Found using 'seq4' (mohamed337.key)
                                                                                                                                                                                                                                                            1 match found in sequence:
    aay94055 ; Amino acid sequence of an extendin agonist.
    (from "seq4ags.pep")
    TOIG of: aay94055 check: 107 from: 1 to: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amino acid sequence of an extendin agonist.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "amidated residue"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY94055 standard; peptide; 28 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Fig 4A; 96pp; English.
                                                                                                         HGEGTFTSDLSKALEEEAVRLFIEFLK
Found using 'seg4' (mohamed337.key)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
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type 1 and type 2 diabetes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gedulin B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2000-490999/43.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200041548-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
Modified-site
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heloderma sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20-OCT-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAY94055
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       HE STANDARD ```

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering planma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level, preferably humans, suffering from neorolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 201
 AAY94056 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
match found in sequence:
aay94056 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94056 check: 201 from: 1 to. 20
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 HGEGTFTSDLSKOLAEEAVRLFIEFLKN
1
 AAY94056 standard; peptide; 28
 14-JAN-2000; 2000WO-US000942.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 WO200041548-A2
 Sequence 28 AA;
 Key
Modified-site
 20-0CT-2000
 Heloderma sp
 20-JUL-2000.
 Synthetic.
 AAY94056;
 Young A,
```

...... 1 match found in sequence:

HGEGTFTSDLSKOAEEEAVRLFIEFLKN

AAY94057

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94058 Length: 28 February 4, 2005 13:20 Type: P Check: 193
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94059; Amino acid sequence of an extendin agonist.
'(from "seq4ags.pep")
TOIG of: aay94059 check: 9862 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 AAY94058 standard; peptide; 28 AA.
 Disclosure; Fig 4A; 96pp; English.
 AAY94059 standard; peptide; 28 AA
 hyperglucagonemia and diabetes.
 |------
HGEGTFTSDLSKQLEEAAVRLFIEFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 20-OCT-2000
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94058;
 Young A,
 AAY94059;
 田城站城
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 February 4, 2005 13:20 Type: P Check: 197
 match found in sequence:
aay94058 ; Amino acid sequence of an extendin agonist.
aay94057 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 :
to
 (from "seq4ags.pep")
TOIG of: aay94058 check: 193 from: 1 to:
 Location/Qualifiers
 from: 1
 AAY94057 standard; peptide; 28 AA
 Disclosure; Fig 4A; 96pp; English
 |------|
HGEGTFTSDLSKQLEAEAVRLFIEFLKN
1
 Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 197
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 AAY94057 Length: 28
 (from "seq4ags.pep")
TOIG of: aay94057
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
30-APR-1999;
 Heloderma sp.
 20-OCT-2000
 Sequence 28
 20-JUL-2000
 Synthetic
```

Young A,

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 /note= "amidated residue"
 Location/Qualifiers
28
 Disclosure, Fig 4A; 96pp; English.
 14-JAN-2000; 2000WO-US000942
 99US-0116380P.
 10-JAN-2000; 2000US-0175365P
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
30-APR-1999;
 Heloderma sp
 20-JUL-2000.
 Synthetic.
 AAY94061;
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94059 Length: 28 February 4, 2005 13:20 Type: P Check: 9862 ound using 'seq4' (mohamed337.key)
 match found in sequence:
aay94060 ; Amino acid sequence of an extendin agonist.
(from "seq4ags pep")
TOIG of: aay94060 check: 9921 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 28 AA.
 HGEGTFTSDLSKQLEERAARLFIEFLKN
1
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 AAY94060 standard; peptide;
20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2.
 Key
Modified-site
 14-JAN-1999;
 Found using 'seq4'
 Heloderma sp.
 20-JUL-2000
 Synthetic
 foung A,
```

```
Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Check: 9921
 Type: P
 match found in sequence:
aay94061 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94061 check: 30 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
AAY94060 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 AAY94061 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAVALFIEFLKN
1
 (first entry)
 20-OCT-2000
```

Amino acid sequence of an extendin agonist.

20-OCT-2000 (first entry)

AAY94060;

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Sequence 28 AA;
 WO200041548-A2
 WO200041548-A2
 Modified-site
 Key
Modified-site
 14-JAN-1999;
 30-APR-1999;
 Heloderma sp
 20-JUL-2000
 AAY94063;
 Synthetic
 Young A,
 DX LL L L X S S X W W X B X D X Y C D X Y
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94061 Length: 28 February 4, 2005 13:20 Type: P Check: 30 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
aay94062; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94062 check: 165 from: 1 to: 28
 Amino acid sequence of an extendin agonist
 /note= "amidated residue"
 Location/Qualifiers
28
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 AAY94062 standard; peptide; 28 AA
 |-----HGEGTFTSDLSKQLEEEAVRAFIEFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
Synthetic.
Heloderma sp.
 Heloderma sp
 20-JUL-2000.
 Synthetic.
 Young A,
 Key
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Baaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is subferting from necrolytic erythema or glucagonoma. The method is sufferting from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type I and type 2 diabetes
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 2005 13:20 Type: P Check: 165
 . match found in sequence:
aay94063 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
/note= "amidated residue"
 /note= "amidated residue"
 ä
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94063 standard; peptide; 28
 HGEGTFTSDLSKOLEEEAVRLFIAFLKN
 AAY94062 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P.
 10-JAN-2000; 2000US-0175365P.
 20-OCT-2000 (first entry)
 check: 136
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94063 c
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```
Sequence 28 AA;
 (from "seq4ags.pep
TOIG of: aay94065
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-JUL-2000.
 Synthetic
 AAY94065;
 Young A,
 BRR RX BX RX FIFF RX SS XX W XX B XX B XX C X B
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and wexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administration an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beseful for treating byperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94063 Length: 28 February 4, 2005 13:20 Type: P Check: 136
Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94064; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94064 standard; peptide; 28 AA
 hyperglucagonemia and diabetes.
 HGEGTFTSDLSKOLEEEAVRLFIEALKN
 14-JAN-2000; 2000WO-US000942
 14-JAN-2000; 2000WO-US000942
 99US-0116380P
 30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P
 check: 9975
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 TOIG of: aay94064
 Modified-site
 14-JAN-1999;
 Heloderma sp.
 20-JUL-2000.
 20-JUL-2000
 Synthetic
 AAY94064;
 Young A,
 1 match
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
 Extendin, Gila monster lizard, Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 9975
 match found in sequence:
aay94065 ; Amino acid sequence of an extendin agonist.
 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94064 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 t0:
 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 AAY94065 standard; peptide; 28 AA
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFAKN
1
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 check: 9991
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from neorolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 Extendin, Gila monster lizard, Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified
 AAY94066 Length: 28 February 4, 2005 13:20 Type: P Check: 9897 ound using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94067 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG Of: aay94067 check: 6333 from: 1 to: 38
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 $
 HGEGTFTSDLSKQLEEEAVRLFIEFLKA
 AAY94067 standard; peptide; 38
 99US-0116380P.
 99US-0132017P.
 10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43
 WPI; 2000-490999/43
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-Bite
 Found using 'seq4'
 14-JAN-1999;
 Heloderma sp
 30-APR-1999;
 20-JUL-2000.
 Synthetic
 AAY94067;
 Young A,
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94065 Length: 28 February 4, 2005 13:20 Type: P Check: 9991
Found using 'seg4' (mohamed337.key)
 . match found in sequence:
aay94066; Amino acid sequence of an extendin agonist.
{from "seq4ags.pep")
TOIG of: aay94066 check: 9897 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 "amidated residue"
 Location/Qualifiers
 Disclosure, Fig 4A; 96pp; English.
 AAY94066 standard; peptide; 28 AA
 |-----
| HGEGTFTSDLSKQLEBEAVRLFIEFLAN
| 28
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 AMYL-) AMYLIN PHARM INC
 /note=
 Gedulin B;
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000
 AAY94066;
 Young A,
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Check: 6333
exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P
 aay94068 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94068 check: 5894 from: 1 to: 38
 Amino acid sequence of an extendin agonist.
 AAY94067 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 38
/note= "amidated residue"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94068 standard; peptide; 38 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 1 match found in sequence:
 Sequence 38 AA;
 WO200041548-A2
 Modified-site
 Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 Synthetic
 AAY94068;
```

Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.

Gedulin B;

Young A,

WPI; 2000-490999/43.

Disclosure; Fig 4A; 96pp; English.

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin as onise. These compounds lower plasma glucagon level. The method is suffering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94068 Length: 38 February 4, 2005 13:20 Type: P Check: 5894 Found using 'seq4' (mohamed337.key)
 of an extendin agonist
 37
 Amino acid sequence of an extendin agonist.
 ;
;
 /note= "amidated residue"
 |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
 check: 3293 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94069 standard; peptide; 37 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 . match found in sequence:
aay94069; Amino acid sequence
(from "seq4ags.pep")
TOIG of: aay94069 check: 3293
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 38 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000.
 AAY94069;
 Young A,

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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the sallyary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is
peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94069 Length: 37 February 4, 2005 13:20 Type: P Check: 3293 Found using 'seq4' (mohamed337.key)
 aay94070 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94070 check: 2854 from: 1 to: 37
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPP
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94070 standard; peptide; 37 AA
 14-JAN-1999; 99US-0116380P
30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 1 match found in sequence:
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 37 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
30-APR-1999;
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 AAY94070;
 Young A,
 88888888888888
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```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or a suffering agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful from mercolytic erythema or glucagonoma. The method is a sloouseful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 2854
 Type: P
 . match found in sequence:
aay94071 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94070 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
 Location/Qualifiers
 from: 1
 Disclosure, Fig 4A; 96pp; English.
 AAY94071 standard; peptide; 36 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 333
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94071 c
 Sequence 37 AA;
 WO200041548-A2
 Key
Modified-site
 20-JUL-2000.
 Heloderma
 Synthetic
 AAY94071;
 Young A,
 888888
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 333
 match found in sequence:
aay94072; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94072 check: 9894 from: 1 to: 36
 Amino acid sequence of an extendin agonist.
 AAY94071 Length: 36 February 4, 2005 13:20 Found using 'seq4' (mohamed337:key)
 /note= "amidated residue"
 | ------- | HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
 Location/Qualifiers
 AAY94072 standard; peptide; 36 AA
 Disclosure; Fig 4A; 96pp; English
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 36 AA;
 WO200041548-A2
 Sequence 36 AA;
 Key
Modified-Bite
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 AAY94072;
 Young A,
SXS
```

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and mexican Bacaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 9894
 AAY94073 Length: 35 February 4, 2005 13:20 Type: P Check: 7453 Found using 'seq4' (mohamed337.key)
 Type: P
 aay94073; Amino acid sequence of an extendin agonist. (from "seq4aqs.pep")
TOIG of: aay94073 check: 7453 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
AAY94072 Length: 36 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
 Location/Qualifiers
 AAY94073 standard; peptide; 35 AA
 Disclosure; Fig 4A; 96pp; English.
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P.
 99US-0132017P
 10-JAN-2000; 2000US-0175365P
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 1 match found in sequence:
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 35 AA;
 WO200041548-A2
 Key
Modified-site
 20-OCT-2000
 Heloderma sp.
 14-JAN-1999;
 30-APR-1999;
 20-JUL-2000.
 Synthetic.
 AAY94073;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from metrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94074 Length: 35 February 4, 2005 13:20 Type: P Check: 7014 Found using 'seq4' (mohamed337.key)
 l match found in sequence:
aay94074; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94074 check: 7014 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
 Location/Qualifiers
 35 AA
 Disclosure; Fig 4A; 96pp; English
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P
30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 AAY94074 standard; peptide;
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 35 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94074;
 Young A,
 1 match
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HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 5178
match found in sequence:
aay94075 , Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94075 check: 5178 from: 1 to: 34
 1 match found in sequence:
aay94076 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aagy94076 check: 4739 from: 1 to: 34
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94075 Length: 34 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDLSKOMBEEAVRLFIEWLKNGGPSSG
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 AAY94075 standard; peptide; 34 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 34 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 AAY94075;
 Young A,
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glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 hyperglucagonemia and diabetes.
 Found using 'seq4' (mohamed337.key
 14-JAN-2000; 2000WO-US000942
 99US-0116380P.
99US-0132017P.
 10-JAN-2000; 2000US-0175365P
 20-OCT-2000 (first entry)
 type 1 and type 2 diabetes
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94078 c
 Sequence 33 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
 gg
 0-APR-1999;
 20-JUL-2000
 Heloderma
 Synthetic
 Young A,
The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon is subjects, preferably humans, suffering from nercolytic erythema or glucagonome. The method is also suffering from nercolytic erythema or glucagonome. The method is also
 glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94076 Length: 34 February 4, 2005 13:20 Type: P Check: 4739 ound using 'seq4' (mohamed337.key)
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
 1 match found in sequence:
 aay94077 ; Amino acid sequence of an extendin agonist.
 (from "seq4ags.pep")
 TOIG of: aay94077 check: 2764 from: 1 to: 33
 Amino acid sequence of an extendin agonist.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG
 Location/Qualifiers
 AAY94076 standard; peptide; 34 AA
 Disclosure; Fig 4A; 96pp; English.
 99US-0116380P.
 14-JAN-2000; 2000WO-US000942
 30-APR-1999; 99US-0132017P
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 /note=
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 34 AA;
 WO200041548-A2
 Modified-site
 Found using 'seq4'
 Heloderma sp.
 14-JAN-1999;
 20-OCT-2000
 20-JUL-2000
 Synthetic.
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Young A,

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is useful for necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Type: P Check: 2764
 match found in sequence:
aay94078 ; Amino acid sequence of an extendin agonist.
 to: 33
 Amino acid sequence of an extendin agonist.
 AAY94077 Length: 33 February 4, 2005 13:20
 check: 2325 from: 1
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
 AAY94078 standard; peptide; 33 AA
 20-OCT-2000 (first entry)
 AAY94078;
 田城站城市城田
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AAY94077 standard; peptide; 33 AA

AAY94077;

SXS

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14-JAN-1999;
30-APR-1999;
 Heloderma sp.
 Synthetic.
Heloderma sp.
 20-JUL-2000
 Synthetic.
 AAY94080;
 X S S X Z X Z X E X D X Y X D
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects preferably humans,
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon; necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
 suffering from necrolytic erythema or glucagonoma. The method is also beseful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94078 Length: 33 February 4, 2005 13:20 Type: P Check: 2325 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
aay94079; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94079 check: 25 from: 1 to: 32
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 HGEGTFTSDLSKQLBEEAVRLFIEFLKNGGPSS
 Disclosure; Fig 4A; 96pp; English.
 AAY94079 standard; peptide; 32 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 33 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94079;
 Young A,
EEEEEEEEEEEE
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist. These compounds lower plasma glucagon level. The method is suffering from necrolytic erythema or glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 25
 Type: P
 1 match found in sequence:
aay94080 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 February 4, 2005 13:20
 /note= "amidated residue"
 ţ;
 check: 9586 from: 1
Location/Qualifiers
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPS
 Disclosure; Fig 4A; 96pp; English.
 Ź
 AAY94080 standard; peptide; 32
 AAY94079 Length: 32 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94080 c
 Sequence 32 AA;
 WO200041548-A2
Key
Modified-site
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WO200041548-A2
 Sequence 31 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-JUL-2000
 20-JUL-2000
 Synthetic
 Young A,
 AAY94082;
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94080 Length: 32 February 4, 2005 13:20 Type: P Check: 9586 Found using 'seq4' (mohamed337.key)
 aay94081 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94081 check: 7369 from: 1 to: 31
 Amino acid sequence of an extendin agonist
 /note= "amidated residue"
 31
/note= "amidated residue"
Location/Qualifiers
 Location/Qualifiers
 HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPS
 Disclosure; Fig 4A; 96pp; English,
 AAY94081 standard; peptide; 31 AA
 14-JAN-2000; 2000WO-US000942
 30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 1 match found in sequence:
 Sequence 32 AA;
 WO200041548-A2
 Key
Modified-site
 Key
Modified-site
 14-JAN-1999;
30-APR-1999;
 Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 Synthetic
 Young A,
 AAY94081;
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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94081 Length: 31 February 4, 2005 13:20 Type: P Check: 7369 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94082 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94082 check: 6930 from: 1 to: 31
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 |-----|
| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP
 AAY94082 standard; peptide; 31 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 . match found in sequence:
aay94084 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 AAY94083 Length: 30 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 /note= "amidated residue"
 :
:
 check: 2759 from: 1
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 AAY94084 standard; peptide; 29 AA
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
28
 10-JAN-2000; 2000US-0175365P.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 from "seq4ags.pep")
 Sequence 30 AA;
 WO200041548-A2
 Modified-site
 TOIG of: aay94084
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94084;
 Lowering
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Baeded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94082 Length: 31 February 4, 2005 13:20 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94083 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94083 check: 4450 from: 1 to: 30
 Amino acid sequence of an extendin agonist
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP
 AAY94083 standard; peptide; 30 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
14-JAN-2000; 2000WO-US000942
 14-JAN-2000; 2000WO-US000942
 99US-0116380P
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 31 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 14-JAN-1999;
30-APR-1999;
 20-OCT-2000
 20-JUL-2000
 AAY94083;
 Young A,
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Type: P Check: 4450

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification as exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, comprising administering useful for lowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonna. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94085 Length: 29 February 4, 2005 13:20 Type: P Check: 2320 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94086 ; Amino acid sequence of an extendin agonist.
(from "seq4ags_pep")
TOIG of: aay94086 chečk: 6333 from: 1 to: 38
 /note= "amidated thioproline"
 Amino acid sequence of an extendin agonist.
 /note= "thioproline"
 /note= "thioproline"
 note= "thioproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94086 standard; peptide; 38 AA
 |------|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNG
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 Sequence 29 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic.
 AAY94086;
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist;
glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma;
hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 February 4, 2005 13:20 Type: P Check: 2759
 1 match found in sequence:
aay94085; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aaa994085 check: 2320 from: 1 to: 29
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4A; 96pp; English
 AAY94085 standard; peptide; 29 AA
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
1
 AAY94084 Length: 29 February 4, Found using 'seq4' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 29 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 Young A,
 foung A,
 AAY94085
```

```
WPI; 2000-490999/43.
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin an eventual lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolyric erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; dlabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAV94086 Length: 38 February 4, 2005 13:20 Type: P Check: 6333 Found using 'seq4' (mohamed337.key)
 aay94087 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94087 check: 6333 from: 1 to: 38
 /note= "amidated thioproline"
 Amino acid sequence of an extendin agonist.
 |-----|
HGEGTFTSDLSKQMEEBAVRLFIEWLKNGGPSSGAPPP
 note= "thioproline"
 note= "thioproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English
 AAY94087 standard; peptide; 38 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 1 match found in sequence:
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 38 AA;
 WO200041548-A2
 Modified-site
 Modified-site
 Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000
 AAY94087;
 Young A,
```

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or such plasma glucagon level. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful from mecrolytic erythema or glucagonna. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Type: P Check: 6333
 1 match found in sequence:
aay94088 ; Amino acid sequence of an extendin agonist.
 to: 37
 Amino acid sequence of an extendin agonist.
 AAY94087 Length: 38 February 4, 2005 13:20 Found using '8eq4' (mohamed337.key)
 /note= "amidated residue"
 HGEGTFTSDLSK<u>O</u>MEEEAVRLFIEWLKNGGPSSGAPPP
 /note= "N-methylalanine"
 (from "seq4ags.pep")
TOIG of: aay94088 check: 3541 from: 1
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English
 AAY94088 standard; peptide; 37 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 Sequence 38 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Heloderma sp
 20-JUL-2000.
 Synthetic
 AAY94088;
```

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for rowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; dlabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94088 Length: 37 Pebruary 4, 2005 13:20 Type: P Check: 3541 Found using 'seq4' (mohamed337.key)
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
 . match found in sequence:
aay94089; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94089 check: 4125 from: 1 to: 37
 /note= "amidated N-methylalanine"
 Amino acid sequence of an extendin agonist.
 /note= "N-methylalanine"
 'note= "N-methylalanine"
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94089 standard; peptide; 37 AA
 99US-0116380P.
99US-0132017P.
2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 37 AA;
 WO200041548-A2
 14-JAN-1999;
 Modified-site
 Modified-site
 Modified-site
 30-APR-1999;
10-JAN-2000;
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 AAY94089;
 Young A,
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```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila moneter and Maxican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94089 Length: 37 February 4, 2005 13:20 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94090 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94090 check: 3293 from: 1 to: 37
 'note= "amidated homoproline"
 Amino acid sequence of an extendin agonist.
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
 /note= "homoproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94090 standard; peptide; 37 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 /note=
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 Sequence 37 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 gg
 20-JUL-2000.
 Heloderma
 Synthetic
 AAY94090;
 FFFX8XCCCCCCCCCX8
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating byperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gida#monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; dlabetes.
Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94090 Length: 37 Pebruary 4, 2005 13:20 Type: P Check: 3293 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
aay94091; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94091 check: 333 from: 1 to: 36
 /note= "amidated homoproline"
 Amino acid sequence of an extendin agonist.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPP
 'note= "homoproline"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94091 standard; peptide; 36 AA
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 37 AA;
 WO200041548-A2
 Modified-site
 Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic.
 Young A,
```

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94091 Length: 36 February 4, 2005.13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94092 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94092 check: 7463 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 HGEGTFISDLSKOMEEEAVRLFIEWLKNGGPSSGAP
 Disclosure, Fig 4B; 96pp; English.
 Disclosure; Fig 4B; 96pp; English.
 AAY94092 standard; peptide; 35 AA
hyperglucagonemia and diabetes.
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2000-490999/43.
 Gedulin B;
 Sequence 36 AA;
 WO200041548-A2.
 20-OCT-2000
 Synthetic.
Heloderma sp.
 20-JUL-2000,
 AAY94092;
 Young A,
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The method is also

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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans,
describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beseful for treating byperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagonoma; glucagonoma; byperglucagonemia; diabetes.
 a modified
 AAY94092 Length: 35 February 4, 2005 13:20 Type: P Check: 7463 Found using 'seq4' (mohamed337.key)
 Lowering plasma glucagon using exendin, an exendin agonist, exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 1 match found in sequence:
aay94093 ; Amino acid sequence of an extendin agonist.
 to: 30
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
 check: 4886 from: 1
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English
 AAY94093 standard; peptide; 30 AA
 14-JAN-2000; 2000WO-US000942
 99US-0116380P.
 30-APR-1999; 99US-0132017P.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94093
 Sequence 35 AA;
 .4-JAN-1999;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic
 AAY94093;
 Young A,
 88888888888888
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would
 useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 modified
 AAY94093 Length: 30 February 4, 2005 13:20 Type: P Check: 4886 Found using 'seq4' (mohamed337.key)
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
 Ø
 Lowering plasma glucagon using exendin, an exendin agonist, exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
suffering from necrolytic erythema or glucagonoma.
 1 match found in sequence:
aay9404; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aay94094 check: 369 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 |-----|
HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
 AAY94094 standard; peptide; 28
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 /note=
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 30 AA;
 Key
Modified-site
 WO200041548-A2
 Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic.
 AAY94094;
 Young A,
 8888888
```

seq4\_ags.res

Check: 693

Type: P

4, 2005 13:20

AAY94095 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 Check: 369
 AAY94094 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94095; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aagy94095 check: 693 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 28
/note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English.
 AAY94095 standard; peptide; 28 AA
 HGEGTXTSDLSKQLEEEAVRLFIEFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 14-JAN-1999;
30-APR-1999;
 Heloderma sp.
 20-OCT-2000
 20-JUL-2000.
 Synthetic
 AAY94095;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, an exendin solver plasma glucagon level. The method is agonist. These compounds lower plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 match found in sequence:
aay94096 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 from: 1
 Disclosure; Fig 4B; 96pp; English.
 AAY94096 standard; peptide; 28 AA.
HGEGTFSSDLSKOMEEEAVRLFIEWLKN
1
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 check: 701
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94096 c
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 gb
 20-JUL-2000.
 Synthetic.
Heloderma
 AAY94096;
 Young A,
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AAY94096 Length: 28 February 4, 2005 13:20 Type: P Check: 701 Found using 'seq4' (mohamed337.key)

type 1 and type 2 diabetes

Sequence 28 AA

match

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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin useful for lowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is sueful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 1 match found in sequence:
aayydo07; Amino acid sequence of an extendin agonist.
(from "seq4ags pep")
TOIG of: aay94007 check: 649 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure, Fig 4B; 96pp; English.
 AAY94097 standard; peptide; 28 AA
HGEGTFSTDLSKQMEEEAVRLFIEWLKN
1
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-JUL-2000
 Synthetic
 AAY94097;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also beseful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 2005 13:20 Type: P Check: 211
found in sequence:
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 τ
Ο
 'note= "pentylglycine"
 Location/Qualifiers
 (from "seq4ags.pep")
TOIG of: aay94098 check: 211 from: 1
 Disclosure; Fig 4B; 96pp; English.
 AAY94098 standard; peptide; 28 AA
 |-----HGEGTFTSDGSKQLEEEAVRLFIEFLKN
28
 1098 Length: 28 February 4, using 'seq4' (mohamed337.key)
 14-JAN-2000; 2000WO-US000942.
 30-APR-1999; 99US-0132017P.
 99US-0116380P
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 14-JAN-1999;
 Heloderma sp
 20-JUL-2000.
 Synthetic
 AAY94098;
 AAY94098
 aay94098
 Found
```

1 match found in sequence:

AAY94097 Length: 28 February 4, 2005 13:20 Type: P Check: 649 ound using 'seq4' (mohamed337.key)

Found using 'seq4'

HGEGTFTSELSKOMAEEAVRLFIEWLKN

to: 28

from: 1

TOIG of: aay94100 check: 1045

AAY94100 standard; peptide; 28 AA

Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.

Amino acid sequence of an extendin agonist.

20-OCT-2000 (first entry)

AAY94100;

'note= "tertiary butylglycine"

Location/Qualifiers

Key Modified-site Modified-site

Heloderma sp

Synthetic

/note= "amidated residue"

WO200041548-A2

20-JUL-2000.

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94099 Length: 28 February 4, 2005 13:20 Type: P Check: 657 Found using 'seq4' (mohamed337.key)
aay94099 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 :
:
 /note= "napthylalanine"
 Location/Qualifiers
 from: 1
 Disclosure; Fig 4B; 96pp; English.
 AAY94099 standard; peptide; 28 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P
30-APR-1999; 99US-0132017P
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 657
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94099 c
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000
 AAY94099
 Young A,
```

14-JAN-1999; 99US-0116380P. 30-APR-1999; 99US-0132017P. 10-JAN-2000; 2000US-0175365P.

(AMYL-) AMYLIN PHARM INC. Young A, Gedulin B; WPI; 2000-490999/43.

14-JAN-2000; 2000WO-US000942

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The present sequence represents a modified extendin or extendin agonist. Strendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Type: P Check: 1045
 . match found in sequence:
aay94101 ; Amino acid sequence of an extendin agonist.
 to: 28
 February 4, 2005 13:20
 check: 237 from: 1
 Disclosure; Fig 4B; 96pp; English.
 AAY94100 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 type 1 and type 2 diabetes
 (from "seq4ags.pep")
TOIG of: aay94101 c
 Sequence 28 AA;
```

1 match found in sequence: aay94100 ; Amino acid sequence of an extendin agonist. (from "seq4ags.pep")

HGEGTFTSDLSKQLEEEAVRLXIEFLKŇ 1

Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.

AAY94101

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification an extendin, an extendin agonist, a modified extendin or a modified extendin or a modified extendin useful for lowering plasma glucagon level. The method is useful for lowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g. type 1 and type 2 diabetes
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 1 match found in sequence:
 aay94103 ; Amino acid sequence of an extendin agonist.
 (from "seq4ags.pep")
 TOIG of: aay94103 check: 2649 from: 1 to: 29
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94102 Length: 33 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDASKQLEERAVRLFIEFLKNGGPSS
 Location/Qualifiers
 Ą
 Disclosure; Fig 4B; 96pp; English.
 hyperglucagonemia and diabetes.
 59
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 AAY94103 standard, peptide;
 (first entry)
20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 33 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 20-JUL-2000
 Synthetic
 AAY94103;
 Young A,
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and hexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for mecrolyric erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94101 Length: 28 February 4, 2005 13:20 Type: P Check: 237 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94102; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG of: aaa994102 check: 2215 from: 1 to: 33
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
28
 Disclosure, Fig 4B; 96pp; English.
 AAY94101 standard; peptide; 28 AA.
 HGEGTFTSDLSKQLEEEAVRLFIDFLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 benefit from reduced glucatype 1 and type 2 diabetes
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-OCT-2000
 20-JUL-2000
```

Young A,

Type: P Check: 2215

Amino acid sequence of an extendin agonist.

20-OCT-2000

AAY94102 standard; peptide; 33 AA

AAY94102;

#XXX

```
Lowering plasma
 Sequence 37 AA
 WO200041548-A2
 Key
Modified-site
 Modified-site
 Modified-site
 Modified-site
 TOIG of: aay94114
 Heloderma sp.
 20-JUL-2000.
 AAY94114;
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating by presiducagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema; glucagonoma; hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 February 4, 2005 13:20 Type: P Check: 2649
 1 match found in sequence:
aay94104 ; Amino acid sequence of an extendin agonist.
 to: 37
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4B; 96pp; English
 AAY94104 standard; peptide; 37 AA
 HGEGTFTSDASKQMEEEAVRLFIEWLKNG
1
 (mohamed337.key
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 3183
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 AAY94103 Length: 29 Found using 'seq4' (mc
 (from "seq4ags.pep")
TOIG of: aay94104 c
 Sequence 29 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp.
 20-OCT-2000
 20-JUL-2000
 Synthetic.
 AAY94104;
 Young A,
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
 g plasma glucagon using exendin, an exendin agonist, a modified or a modified exendin agonist, useful for treating
 Type: P Check: 3183
 of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 AAY94104 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 |-----|
HGEGTFTSDASKQMEBEAVRLFIEWLKNGGPSSGAPP
 note= "homoproline"
 note= "homoproline"
 'note= "homoproline"
Location/Qualifiers
 from: 1
 Disclosure; Fig 4B; 96pp; English.
 hyperglucagonemia and diabetes.
 AAY94114 standard; peptide; 28
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 1 match found in sequence:
aay94114 ; Amino acid sequence
(from "seq4ags pep")
 20-OCT-2000 (first entry)
 check: 249
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Baded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin or a suffering lor lowering plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, useful for necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94118 Length: 28 February 4, 2005 13:20 Type: P Check: 688 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94121 ; Amino acid sequence of an extendin agonist.
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 /note= "amidated residue"
 <u>ن</u>
 Location/Qualifiers
28
 Location/Qualifiers
28
 check: 590 from: 1
 Disclosure; Fig 4E; 96pp; English.
 AAY94121 standard; peptide; 28 AA
 HGAGTFTSDLSKQMEBEAVRLFIEWLKN
1
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 (from "seq4ags.pep")
TOIG of: aay94121 c
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Key
Modified-site
 Synthetic.
Heloderma sp
 20-JUL-2000,
 AAY94121;
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and wexican Beadded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon is subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94114 Length: 28 February 4, 2005 13:20 Type: P Check: 249
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
 aay94118 ; Amino acid sequence of an extendin agonist.
 (from "seq4ags.pep")
 ToIG of: aay94118 check: 688 from: 1 to: 28
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 Location/Qualifiers
 Disclosure; Fig 4E; 96pp; English
 AAY94118 standard; peptide; 28 AA
 |-----|
HGAGTFTSDLSKQLEEEAVRLFIEFLKN
1
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
hyperglucagonemia; diabetes.
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 28 AA;
 WO200041548-A2
 Key
Modified-site
 Heloderma sp
 Synthetic.
Heloderma sp
 20-JUL-2000
 Synthetic
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Young A,

AAY94118;

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14-JAN-2000; 2000WO-US000942.
 AAY94186;
 Young A,
X#X###X#X#X#X#X#X####X
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and wexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin, Gila monster lizard, Mexican Beaded lizard, agonist, glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94121 Length: 28 February 4, 2005 13:20 Type: P Check: 590
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
aay94181 ; Amino acid sequence of an extendin agonist.
 to: 38
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 from: 1
 Location/Qualifiers
 Disclosure; Fig 4E; 96pp; English.
 AAY94181 standard; peptide; 38 AA
 HGEGTFTSDASKQMEEEAVRLFIEWLKN
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942
 check: 5882
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 n "seq4ags.pep"
of: aay94181
 Sequence 28 AA;
 WO200041548-A2
 WO200041548-A2
 Modified-site
 Heloderma sp
 20-JUL-2000
 20-JUL-2000
 Synthetic
 AAY94181;
 Young A,
 TOIG
```

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is suffering from necrolytic erythema or glucagonoma. The method is suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 glucagon-like peptide, plasma glucagon, necrolytic erythema, glucagonoma, hyperglucagonemia, diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94181 Length: 38 February 4, 2005 13:20 Type: P Check: 5882 Found using 'seq4' (mohamed337.key)
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
 1 match found in sequence:
aay94186 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
TOIG Of: aay94186 check: 7002 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPP
 Location/Qualifiers
 Disclosure; Fig 4F; 96pp; English.
 AAY94186 standard; peptide; 35 AA
 hyperglucagonemia and diabetes.
14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 38 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 14-JAN-1999;
 20-JUL-2000
```

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Modified-site
 Modified-site
 Modified-site
 Heloderma sp
 20-JUL-2000.
 AAY94194;
 Synthetic
 Young A,
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin auseful for lowering plasma glucagon level. The method is usfering plasma glucagon in subjects, preferably humans, suffering from neorolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plaama glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 AAY94186 Length: 35 February 4, 2005 13:20 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
 1 match found in sequence: aay94190; Amino acid sequence of an extendin agonist. (from "seq4ags.pep")
TOIG of: aag94190 check: 9574 from: 1 to: 32
 Amino acid sequence of an extendin agonist.
 32
/note= "amidated residue"
 HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGA
 Location/Qualifiers
 Disclosure; Fig 4G; 96pp; English.
 AAY94190 standard; peptide; 32 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
30-APR-1999; 99US-0132017P.
 14-JAN-2000; 2000WO-US000942
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 WPI; 2000-490999/43.
 Sequence 35 AA;
 WO200041548-A2
 Key
Modified-site
 Synthetic.
Heloderma sp.
 20-JUL-2000
 AAY94190;
 Young A,
```

```
The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist; glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma; hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating
 Type: P Check: 9574
 1 match found in sequence:
aay94194; Amino acid sequence of an extendin agonist.
 /note= "amidated thioproline"
 to: 38
 Amino acid sequence of an extendin agonist.
 AAY94190 Length: 32 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 check: 6321 from: 1
 note= "thioproline"
 'note= "thioproline"
 'note= "thioproline"
 Location/Qualifiers
 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
 Disclosure, Fig 4G; 96pp; English.
 AAY94194 standard; peptide; 38 AA
 hyperglucagonemia and diabetes.
 14-JAN-1999; 99US-0116380P.
30-APR-1999; 99US-0132017P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000942.
 type 1 and type 2 diabetes
 20-OCT-2000 (first entry)
Gedulin B;
 WPI; 2000-490999/43.
 Sequence 32 AA;
 (from "seq4ags.pep
TOIG of: aay94194
 WO200041548-A2
 Key
Modified-site
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The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin, an exendin agonist, a modified exendin agonist. These compounds lower plasma glucagon level. The method is useful for lowering plasma glucagon in subjects, preferably humans, suffering from necrolytic erythema or glucagonoma. The method is also useful for treating hyperglucagonemia and other conditions that would type 1 and type 2 diabetes
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 GLP-1; glucagon-like-peptide-1; growth-hormone releasing factor; GRF; parathyroid hormone; PTH; antidiabetic; anoretic; cerebroprotective; vasotropic; anti-inflammatory; antiarteriosclerotic; hepatotropic; tranquilizer; vulnerary; osteopathic; gila monster; exendin.
 New peptide formulation for treating disease e.g. diabetes, obesity, ischemia comprises peptides, an acid having a specified dissociation
 Type: P Check: 7441
 match found in sequence:
abb07149 ; Gila moneter venom exendin 3 fragment.
 to: 39
 /note= "C-terminal amide"
 AAY94198 Length: 35 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Gila monster venom exendin 3 fragment.
 HCAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 from: 1
 Location/Qualifiers
 Disclosure, Fig 4G; 96pp; English.
 Z
 ABB07149 standard; peptide; 39
 17-MAY-2000; 2000US-0205377P.
 17-MAY-2001; 2001WO-US015872
 check: 9591
 13-MAR-2002 (first entry)
 ö;
 (BION-) BIONEBRASKA INC.
 Holmquist B, Dormady
 WPI; 2002-082941/11.
 WPI; 2000-490999/43.
 Heloderma suspectum
 (from "seq4ags.pep")
TOIG of: abb07149 c
 Sequence 35 AA;
 WO200187322-A2
 Key
Modified-site
 22-NOV-2001
 ABB07149;
11X8X1X8X88X6X8X6X114X8X6X6X6X6X6X6X
 The present sequence represents a modified extendin or extendin agonist. Extendins are found in the salivary glands of the Gila monster and Mexican Beaded lizard, and have sequence similarity to glucagon-like peptides. They are used in the method of the invention. The specification describes a method for lowering plasma glucagon, comprising administering an exendin, an exendin agonist, a modified exendin or a modified exendin auseful for lowering plasma glucagon level. The method is suffering from necrolytic erythema or glucagonon level. The method is suffering from necrolytic erythema or glucagonon. The method is also useful for treating hyperglucagonemia and other conditions that would benefit from reduced glucagon levels and/or suppression of glucagon, e.g.
 Extendin; Gila monster lizard; Mexican Beaded lizard; agonist;
glucagon-like peptide; plasma glucagon; necrolytic erythema; glucagonoma;
hyperglucagonemia; diabetes.
 Lowering plasma glucagon using exendin, an exendin agonist, a modified exendin or a modified exendin agonist, useful for treating hyperglucagonemia and diabetes.
 AAY94194 Length: 38 February 4, 2005 13:20 Type: P Check: 6321 Found using 'seq4' (mohamed337.key)
 match found in sequence:
aay94198 ; Amino acid sequence of an extendin agonist.
(from "seq4ags.pep")
(from aay94198 check: 7441 from: 1 to: 35
 Amino acid sequence of an extendin agonist.
 /note= "amidated residue"
 HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
 Location/Qualifiers
 Disclosure, Fig 4G; 96pp; English.
 AAY94198 standard; peptide; 35 AA
 14-JAN-2000; 2000WO-US000942.
 99US-0116380P,
 99US-0132017P.
 10-JAN-2000; 2000US-0175365P.
 type 1 and type 2 diabetes
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC
 Gedulin B;
 Gedulin B;
 WPI; 2000-490999/43
 Sequence 38 AA;
 WO200041548-A2
 Modified-site
 Synthetic.
Heloderma sp.
 14-JAN-1999;
 20-OCT-2000
 30-APR-1999;
 20-JUL-2000
 Young A,
 AAY94198;
 Young A,
```

aay94198

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Disclosure, Page 11; 34pp; English
 molecule
 The invention provides a pharmaceutical composition that comprises a molecule selected from a glucagon-like-peptide-1 (GLP-1) molecule, growth-hormone releasing factor (GRF) molecule or a parathyroid hormone (PTH) molecule. The composition further includes a weak acid such as acetic acid. The pH of the composition is 3 - 5. The composition can be used for the treatment of a disease or condition selected from diabetes, excess appetite, obesity, stroke, ischemia, reperfusion injury, disturbed glucose metabolism, surgery, coma, shock, gastrointestinal disease, diabetes, inver disease, atherosclerosis, vascular disease, Gestational diabetes, liver disease and cirrhosis, glucocraticoid excess, Cushing's disease, the presence of activated counter regulatory hormones that occur after trauma or a disease, hypertriglyceridemia, chronic pancreatitis, the need for parenteral feeding, and a catabolic state following surgery or injury. Sequences ABB0149-15s represent peptide fragments from gila monster venomes that are homologous to GLP-1 molecules and can be included
 GLP-1; glucagon-like-peptide-1; growth-hormone releasing factor; GRF; parachyroid hormone; PTH; antidiabetic; anoretic; exrebroprotective; vasotropic; anti-inflammatcry; antiarteriosclerotic; hepatotropic; tranquilizer; vulnerary; osteopathic; gila monster; exendin.
 New peptide formulation for treating disease e.g. diabetes, obesity, ischemia comprises peptides, an acid having a specified dissociation constant and an excipient.
 ABB07149 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 . match found in sequence: abb07151; Gila monster venom exendin 4 peptide (residues 1-39).
 Gila monster venom exendin 4 peptide (residues 1-39).
 check: 9570 from: 1 to: 39
 |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKXGGPSSGAPPPS
1
 /note= "C-terminal amide"
 Location/Qualifiers
39
 Disclosure; Page 10; 34pp; English.
 ABB07151 standard; peptide; 39 AA.
 17-MAY-2000; 2000US-0205377P.
19-MAY-2000; 2000US-0205262P.
 17-MAY-2001; 2001WO-US015872
constant and an excipient.
 13-MAR-2002 (first entry)
 Holmquist B, Dormady DC;
 (BION-) BIONEBRASKA INC.
 WPI; 2002-082941/11.
 Heloderma suspectum
 in the composition
 "seq4ags.pep"
of: abb07151
 Sequence 39 AA;
 WO200187322-A2.
 Key
Modified-site
 22-NOV-2001.
 ABB07151;
```

```
The invention provides a pharmaceutical composition that comprises a molecule selected from a glucagon-like-peptide-1 (GLP-1) molecule, growth chorunce releasing factor (GRF) molecule or a parathyroid hormone (PTH) molecule. The composition further includes a weak acid such as acetic acid. The pH of the composition is 3 - 5. The composition can be used for the treatment of a disease or condition selected from diabetes, excess operate, obesity, stroke, ischemia, reperfusion injury, disturbed glucose metabolism, surgery, coma, shock, gastrointestinal disease, diabetes, liver disease, atherosclerosis, vascular disease, gestational disease, the presence of activated counter regulatory hormones that occur after trauma or a disease, hypertriglyceridemia, chronic pancreatitis, the need for parenteral feeding, and a catabolic state following surgery or injury. Sequences ABBO1149-155 represent peptide fragments from gila monster venoms that are homologous to GLP-1 molecules and can be included
 Glucagon like peptide-1; GLP-1; exendin 3; cardiant; antidiabetic; vasotropic; hibernating myocardium; congestive heart failure; ischaemic cardiomyopathy; diabetic cardiomyopathy.
 Treatment of hibernating myocardium involves administering GLP-1
 ABB07151 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 abb80100; Glucagon like peptide-1 (GLP-1) exendin 3. (from "seq4ags.pep")
 check: 9591 from: 1 to: 39
 Glucagon like peptide-1 (GLP-1) exendin 3.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Location/Qualifiers
 Disclosure; Page 13; 25pp; English.
 ABB80100 standard; peptide; 39 AA
 20-OCT-2000; 2000US-0241834P.
23-OCT-2000; 2000US-0242139P.
03-NOV-2000; 2000US-0245234P.
 22-OCT-2001; 2001WO-US032559.
 02-OCT-2002 (first entry)
 Heloderma suspectum.
 WPI; 2002-426545/45.
 in the composition
 (COOT/) COOTIDGE
 Sequence 39 AA;
 WO200234285-A2
 Key
Modified-site
 TOIG of: abb80100
 02-MAY-2002
 ABB80100;
 Ehlers M;
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The invention relates to the treatment of hibernating myocardium by administering a GLP-1 (glucagon like peptide-1) molecule. GLP-1 activity may be described as, cardiant, antidiabetic and vasotropic. GLP-1 may be used for treating, hibernating myocardium, congestive heart failure, ischaemic cardiomyopathy and diabetic cardiomyopathy. GLP-1 reduces plasma or heart norepinepherine level in a patient. The current sequence represents the glucagon like peptide-1 (GLP-1) known as exendin 3
 The invention relates to the treatment of hibernating myocardium by administering a GLP-1 (glucagon like peptide-1) molecule. GLP-1 activity may be described as; cardiant, antidiabetic and vasotropic. GLP-1 may be used for treating, hibernating myocardium, congestive heart failure, ischaemic cardiomyopathy and diabetic cardiomyopathy. GLP-1 reduces plasma or heart noreplinepherine level in a patient. The current sequence represents the glucagon like peptide-1 (GLP-1) known as exendin 4
 Glucagon like peptide-1; GLP-1; exendin 4; cardiant; antidiabetic; vasotropic; hibernating myocardium; congestive heart failure; ischaemic cardiomyopathy; diabetic cardiomyopathy.
 Treatment of hibernating myocardium involves administering GLP-1
 Check: 9591
 match found in sequence:
abb83059; Glucagon like peptide-1 (GLP-1) exendin 4 #2.
(from "seq4ags.pep")
 Type: P
 Glucagon like peptide-1 (GLP-1) exendin 4 #2.
 to: 39
 ABB80100 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HSDGTPTSDLSKQMEEEAVRLPIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 from: 1
 Location/Qualifiers
39
 Disclosure; Page 13; 25pp; English.
 39 AA
 2000US-0241834P.
2000US-0242139P.
 20-OCT-2000; 2000US-0241834P.
23-OCT-2000; 2000US-0242139P.
03-NOV-2000; 2000US-0245234P.
 22-OCT-2001; 2001WO-US032559
 TOIG of: abb83059 check: 9570
 ABB83059 standard; peptide;
 02-OCT-2002 (first entry)
 (COOL/) COOLIDGE T R.
 WPI; 2002-426545/45.
 Heloderma suspectum
 Ź
 Sequence 39 AA;
 WO200234285-A2
 Key
Modified-site
 Sequence 39
 02-MAY-2002
 Ehlers M;
 ABB83059;
 molecule
```

```
The present invention relates to analogues of glucagon-like peptide-1, comprising glucagon-like peptide-1 (GLP-1) modified with a reactive group that reacts with a thiol group on a blood component to form a covalent bond, where the reactive group is chosen from an activated disulfide bond group or an S-sulfonate. The analogues are useful for manufacturing madicament and treating non-insulin dependent disubtes, obssity, stroke, myocardial infraction, stress induced hyperglycaemia or irritable bowel syndrome. The present sequence is a peptide shown in the exemplification
 Novel glucagon-like peptide-1 compound comprising glucagon-like peptide-1 modified with reactive group that reacts with thiol group on blood component to form covalent bond, useful for treating obesity, stroke.
 Glucagon-like peptide-1; analogue; GLP-1; antidiabetic; anorectic;
ABB83059 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 ABM79779 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 39
 to: 39
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 |------|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 ::
C
 match found in sequence:
abm/9780; H suspectum extendin-4 peptide.
(from "seq4ags.pep")
TOIG of: abm/9780 check: 9570 from: 1 t
 Disclosure; Page 123; 124pp; English.
 match found in sequence:
abm79779 ; H suspectum extendin-3 peptide
 from: 1
 Zhang L;
 ABM79780 standard; peptide; 39 AA
 ABM79779 standard; peptide; 39
 suspectum extendin-3 peptide.
 02-JUN-2003; 2003WO-US015395.
 04-JUN-2002; 2002US-0385927P.
 cerebroprotective; cardiant.
 check: 9591
 22-APR-2004 (first entry)
 Smiley DL,
 (ELIL) LILLY & CO ELI
 WPI; 2004-062204/06.
 Heloderma suspectum
 (from "seq4ags.pep")
TOIG of: abm79779 cl
 of the invention
 WO2003103572-A2
 Sequence 39 AA;
 Dimarchi RD,
 18-DEC-2003
 ABM79779;
 Ω×
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Zhou J;

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The invention relates to novel analogues of exendin-4 (ABP58572-ABP58576) or their pharmaceutically acceptable salts. The invention also encompasses a procedure for preparing the exendin-4 analogues. Exendin-4 (ABP58578) is a polypeptide obtained from the Mexican beaded lizard (Heloderma horridum) which acts as an agonist of glucagon-like peptide 1 (GLP-1, see ABP58577). Like exendin-4 the facelf, the exendin-4 analogues of the invention have antidiabetic activity, being able to promote the secretion of insulin and reduce blood sugar, and are thus applicable in treating type 2 diabetes. Oll micrograms of an exendin-4 analogue was common value after one hour, and its effects lasted 30 minutes longer than 4 micrograms of insulin. The exendin-4 analogues of the invention can be synthesised either chemically or by recombinant methods, thereby permitting large-scale production. The present sequence represents wild.
 Polypeptide exendin-4 derivatives, useful for promoting insulin secretion and reducing blood sugar, for treating diabetes type 2.
 Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonulsant; cerebroprotective; neuronal death; neuronal differentiation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; parkinson's disease; huntington's disease; amycotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Glla-monster lizard.
 ABP58578 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 Zhao S,
 to: 39
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Shen C,
 check: 9570 from: 1
 Disclosure; Page 2; 24pp; Chinese.
 ABU66208 standard; peptide; 39 AA
 (SHAN-) SHANGHAI HUAYI BIO LAB
 match found in sequence:
abu66208 ; Gila monster exendin-4.
 Yu G,
 08-MAY-2002; 2002WO-CN000316
 10-MAY-2001; 2001CN-00112856
 20-MAY-2003 (first entry)
 Gila monster exendin-4.
 2
 WPI; 2003-120527/11.
 Heloderma suspectum
 (from "seq4ags.pep")
TOIG of: abu66208 c
 WO2003011892-A2
 Sequence 39 AA;
WO200290388-A1
 13-FEB-2003,
 14-NOV-2002
 ABU66208;
 Sun X,
 The present invention relates to analogues of glucagon-like peptide-1, comprising glucagon-like peptide-1 (GLP-1) modified with a reactive group that reacts with a thiol group on a blood component to form a covalent bond, where the reactive group is chosen from an activated disulfide bond group or an S-sulfonate. The analogues are useful for manufacturing medicament and treating non-insulin dependent diabetes, obesity, stroke, mayocardial infraction, stress-induced hyperglycaemia or irritable bowel syndrome. The present sequence is a peptide shown in the exemplification of the invention
 Novel glucagon-like peptide-1 compound comprising glucagon-like peptide-1 modified with reactive group that reacts with thiol group on blood component to form covalent bond, useful for treating obesity, stroke.
 Exendin-4; Mexican beaded lizard; exendin-4 analogue; antidiabetic; insulin secretagogue; type 2 diabetes.
 Glucagon-like peptide-1; analogue; GLP-1; antidiabetic; anorectic; cerebroprotective; cardiant.
 ABM79780 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 to: 39
 | -----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; Page 123-124; 124pp; English.
 exendin-4.
 from: 1
 Location/Qualifiers
 Mexican beaded lizard exendin-4.
 suspectum extendin-4 peptide.
 02-JUN-2003; 2003WO-US015395.
 04-JUN-2002; 2002US-0385927P
 1 match found in sequence:
app58578; Mextcan beaded lizard
(from "seq4ags.pep")
TOIG of: abp58578 check: 9570
 ABP58578 standard; peptide;
 (first entry)
 28-MAR-2003 (first entry)
 Dimarchi RD, Smiley DL,
 (ELIL) LILLY & CO ELI
 WPI; 2004-062204/06.
 Heloderma suspectum
 Heloderma horridum.
 WO2003103572-A2
 Sequence 39 AA;
 Key
Modified-site
 22-APR-2004
 18-DEC-2003
 ABM79780:
 ABP58578
```

```
The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues of and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject inductoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject in a neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in the symptom(s) of present sequence is wild-type Gla-monster lizard exendin-4
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 February 4, 2005 13:20 Type: P Check: 9570
 Perry TA;
 Doyle M, Holloway H,
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 Claim 27; Fig 1; 119pp; English.
 ABU66208 Length: 39 February 4, Found using 'seq4' (mohamed337.key)
30-JUL-2002; 2002WO-US024141.
 31-JUL-2001; 2001US-0309076P
 sclerosis or brain injury).
 WPI; 2003-268106/26.
 Greig NH, Egan J,
 Sequence 39 AA;
```

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor contacting formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor condition (e.g. Alzheimer's diabetes) or a neurodegenerative condition (e.g. Alzheimer's diabetes) remotety, as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic conductors in injury or neurodegenerative condition, or for reducing the symptom(s) of neurodegenerative condition in a subject. The present sequence is a human GLP-1/Gila-monster lizard exendin-4

Sequence 39 AA;

match found in sequence: abu66216 ; Glucagon like peptide 1/exendin-4 analogue #1.

to: 39

from: 1

check: 9558

(from "seq4ags.pep") TOIG of: abu66216 c ABU66216 standard; peptide; 39 AA.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple

Claim 27; Fig 1; 119pp; English.

sclerosis or brain injury).

Perry TA;

Greig NH, Egan J, Doyle M, Holloway H,

WPI; 2003-268106/26.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

30-JUL-2002; 2002WO-US024141. 31-JUL-2001; 2001US-0309076P.

WO2003011892-A2

13-FEB-2003.

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; human; nootropic; neuroprotective; antiparkinsonian; anticonvuleant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein;

Glucagon-like peptide 1/exendin-4 analogue #1.

(revised)
(first entry)

ABU66216; 23-OCT-2003 20-MAY-2003 neuronal proliferation, neuronal process growth; amyloid protein, diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allaheimer's disease; Parkinson's disease; Huntington's disease; amyloirophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Heloderma suspectum. Chimeric.

sapiens.

Homo

amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard. 

Heloderma suspectum. Synthetic

WO2003011892-A2.

13-FEB-2003

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES

Perry TA; Holloway H, Doyle M, Greig NH, Egan J,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Examina acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue.

Examinate can examinate analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal processes, by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy, as well as for reducing the symptom of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic linjury or neurodegenerative condition, or for reducing the symptom(s) of neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a dila-monster lizard exendin-4 analogue

Sequence 30 AA;

ABU66217 Length: 30 February 4, 2005 13:20 Type: P Check: 4877 Found using 'seq4' (mohamed337.key)

HAEGTFTSDLSKOMEEEAVRLFIEWLKNGG

match found in sequence: abu66218 ; Gila monster exendin-4 analogue #2. from: 1 check: 3293 (from "seq4ags.pep")

to: 37

ABU66218 standard; peptide; 37 AA.

ABU66218;

(first entry) 20-MAY-2003

Gila monster exendin-4 analogue #2.

Glucagon-like peptide-1; GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; 

diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzhaimer's diaease; Parkhison's diaease; as disease; sunington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard. amyloid protein; proliferation; neuronal process growth;

Heloderma suspectum Synthetic.

WO2003011892-A2

13-FEB-2003

30-JUL-2002; 2002WO-US024141

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Doyle M, Holloway H, Egan J, Greig NH,

WPI; 2003-268106/26.

stroke, multiple or their oz New Glucagon-like peptide-1 or exendin-2 polypeptides, analogues, useful for treating a subject with diabetes neurodegenerative condition (e.g. Alzheimer's disease, sclerosis or brain injury). 

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 9 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal corresses, by contacting one or more neurons with the polypeptide, and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor corported metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's diabese, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic condition in a condition or neurodegenerative conditions in a subject when the polypeptides are also useful for treating a subject with neurotoxic conditions in a subject when the polypeptides are also removed to the symptom (s) of the reducing the symptom (s) of neurofoxic injury or neurodegenerative condition in a subject. present sequence is a Gila-monster lizard exendin-4 analogue

Sequence 37 AA;

Check: 3293 Type: P ABU66218 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

**HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAPP** 

to: 35 match found in sequence:
abu66219 ; Glla monster exendin-4 analogue #3 from: 1 standard; peptide; 35 AA. check: 7453 TOIG of: abu66219 "seq4ags ABU66219 

ABU66219;

20-MAY-2003 (first entry)

Gila monster exendin-4 analogue #3

```
The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, coming a manague with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject. The present sequence is a Gla-monster lizard exendin-4 analogue
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal protest and protein; mutein; diabetes; type 2 diabetes; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; Parkinson's disease; Huntington's disease; amyloid protein; amyloid partial sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.
Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke;
 Perry TA;
 Holloway H,
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 Claim 27; Fig 1; 119pp; English.
 Doyle M,
 30-JUL-2002; 2002WO-US024141.
 31-JUL-2001; 2001US-0309076P
 sclerosis or brain injury).
 WPI; 2003-268106/26.
 Heloderma suspectum,
 Egan J,
 WO2003011892-A2
 Sequence 35 AA;
 13-FEB-2003
 Synthetic.
 Greig NH,
```

Check: 7453 2005 13:20 Type: P ABU66219 Length: 35 February 4, ound using 'seq4' (mohamed337.key Found

```
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
```

to: 33 abu66220 ; Gila monster exendin-4 analogue #4. check: 2764 match found in sequence: (from "seq4ags.pep") TOIG of: abu66220 c

20-MAY-2003 (first entry) BXXXE

ABU66220;

33 AA

ABU66220 standard; peptide;

Glucagon-like peptide-1; GLP\_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticontulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; parkinson's disease; huntington's disease; amyloid protein; amylotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard. Gila monster exendin-4 analogue #4. 

Heloderma suspectum. Synthetic.

WO2003011892-A2.

13-FEB-2003

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

Perry TA;

Holloway H,

WPI; 2003-268106/26

Egan J, Doyle M,

Greig NH,

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal offerentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide, which affects anyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, mynotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(8) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition, or for reducing the symptom(s) of neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue

Sequence 33 AA;

ABU66220 Length: 33 February 4, 2005 13:20 Type: P Check: 2764 ound using 'seq4' (mohamed337.key) Found

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS

to: 28 match found in sequence:
abu6621; Gila monster exendin-4 analogue #5.
[from "seq4ags.pep"]
[from "abu66221 check: 700 from: 1 to: 2

ABU66221 standard; peptide; 28 AA ДX

ABU66221;

(first entry) 20-MAY-2003

Gila monster exendin-4 analogue #5.

Glucagon-like peptide-1, GLP 1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzheimer's disease; Parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chard injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard

Heloderma suspectum Synthetic.

WO2003011892-A2.

13-FEB-2003

30-JUL-2002; 2002WO-US024141

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Holloway H, Doyle M, Greig NH, Egan J,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Claim 27; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue. Exendin-4 or an exendina analogue with a spacer between the amino acid residues comparable to residues 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal conferentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurocoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating as expected injury or neurodegenerative condition in a subject. The polypeptides are sequence is a Gila-monster lizard exendin-4 analogue 

Sequence 28 AA;

ABU66221 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKN

to: 30 match found in sequence: abu66237 ; Gila monster exendin-4 analogue #11. from: 1 check: 5219 (from "seq4ags.pep") TOIG of: abu66237 cl

ABU66237 standard; peptide; 30

ABU66237;

(first entry) 20-MAY-2003

Gila monster exendin-4 analogue #11.

Glucagon-like peptide-1; GLP\_1; exendin-4; antidiabetic; stroke; nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzheimer's disease; parkinson a disease; huntingron's disease; amyloir protein; amyloir place and sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.

Heloderma suspectum.

Synthetic.

WO2003011892-A2.

13-FEB-2003.

30-JUL-2002; 2002WO-US024141.

31-JUL-2001; 2001US-0309076P.

(USSH ) US DEPT HEALTH & HUMAN SERVICES.

Perry TA; Egan J, Doyle M, Holloway H, Greig NH,

WPI; 2003-268106/26.

New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple sclerosis or brain injury).

Example 2; Fig 1; 119pp; English.

The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue. Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues 7 and 8. or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide; and c2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides which affects amyloid precursor protein metabolism. The polypeptides are useful for treating subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's disease, amycrorophic aleral sclerosis, stroke, multiple sclerosis, brain injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in a subject in neurotoxic injury or neurodegenerative condition in a subject. The persent sequence is a Gila-monster lizard exendin-4 analogue 

Sequence 30 AA;

ABU66237 Length: 30 February 4, 2005 13:20 Type: P Check: 5219 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGR

1 match found in sequence:

```
The invention relates to a purified polypeptide, which comprises the amino acid sequence of Glucagon-like peptide-1 (GLP-1), a GLP-1 analogue, Exendin-4 or an exendin analogue with a spacer between the amino acid residues comparable to residues via death, promoting and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal processes, by contacting one or more neurons with the polypeptide; and (2) reducing formation or accumulation of amyloid protein by contacting one or more neurons with the polypeptide, which affects amyloid precursor protein metabolism. The polypeptides which affects amyloid precursor protein metabolism. The polypeptides are useful for treating a subject with diabetes (particularly type 2 diabetes) or a neurodegenerative condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's condition (e.g. Alzheimer's disease, Parkinson's disease, Huntington's injury, spinal chord injury or peripheral neuropathy), as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The neurotoxic injury or neurodegenerative condition in a subject. The present sequence is a Gila-monster lizard exendin-4 analogue
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 nootropic; neuroprotective; antiparkinsonian; anticonvulsant; mutant; cerebroprotective; neuronal death; neuronal disfferentiation; mutein; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Alzheimer's diaease; Parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gila-monster lizard.
 Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke;
 Perry TA;
 to: 30
abu66238 ; Gila monster exendin-4 analogue #12.
 Doyle M, Holloway H,
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 check: 5123 from: 1
 Gila monster exendin-4 analogue #12
 ABU66238 standard; peptide; 30 AA
 Example 2; Fig 1; 119pp; English.
 30-JUL-2002; 2002WO-US024141.
 31-JUL-2001; 2001US-0309076P.
 (first entry)
 sclerosis or brain injury)
 WPI; 2003-268106/26.
 Heloderma suspectum
 Greig NH, Egan J,
 (from "seq4ags.pep")
TOIG of: abu66238 cl
 WO2003011892-A2.
 Sequence 30 AA;
 20-MAY-2003
 13-FEB-2003
 Synthetic.
 ABU66238;
```

ABU66238 Length: 30 February 4, 2005 13:20 Type: P Check: 5123 ... Found using 'seq4' (mohamed337.key)

```
|-----|
HGEGTFTSDLSKQMEEEAVRLFIAWLKNGR
1
```

ABU66255 Length: 36 February 4, 2005 13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)

```
The invention tractes to a putilise peptide-1 (GLP-1), a GLP-1 and configuration acid sequence of Glucagon-1ike peptide-1 (GLP-1), a GLP-1 and configuration analogue with a spacer between the amino acid Exendin-4 or an exendin analogue with a spacer between the amino acid Exendin-4 or an exendines 7 and 8, or residues 8 and 9 of GLP-1.

Also include are: (1) reducing neuronal death, promoting neuronal differentiation or proliferation, or promoting growth of neuronal correcting one or more neurons with the polypeptide, which affects amyloid precursor one or more neurons with the polypeptide, which affects amyloid precursor condition (e.g. Alzheimer's disease, which adisease, Huntington's disease, amyotrophic lateral sclerosis, stroke, multiple sclerosis, brain injury or peripheral neuropathy) as well as for reducing the symptom(s) of neurodegenerative conditions in a subject. The polypeptides are also useful for treating a subject with neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject in neurotoxic injury or neurodegenerative condition in a subject. The polypeptides are also useful for treating a subject. The polypeptides are also useful for reading the symptom(s) of neurodegenerative condition in a subject. The polypeptides are also useful for death and a subject. The polypeptides are also useful for treating a subject. The polypeptides are also useful for treating a subject. The polypeptides are also useful for treating a subject. The polypeptides are also useful for treating a subject. The polypeptides are also useful for treating a subject. The polypeptides are also useful for treating a subject. The polypeptides are also useful for treating a subject in a subject. The polypeptides are also useful for treating a subject in the symptom (s) of present sequence is a gila-monster lizard exendin-4 analogue
 Glucagon-like peptide-1; GLP_1; exendin-4; antidiabetic; stroke; noctropic; neuroprotective; antiparkinsonian; anticonvlsant; mutent; cerebroprotective; neuronal death; neuronal differentiation; mutein; neuronal proliferation; neuronal process growth; amyloid protein; diabetes; type 2 diabetes; neurodegenerative condition; brain injury; Allzheimer's disease; parkinson 6 disease; Huntington's disease; amycorophic lateral sclerosis; multiple sclerosis; spinal chord injury; peripheral neuropathy; neurotoxic injury; Gla-monster lizard.
 New Glucagon-like peptide-1 or exendin-2 polypeptides, or their analogues, useful for treating a subject with diabetes or a neurodegenerative condition (e.g. Alzheimer's disease, stroke, multiple
 invention relates to a purified polypeptide, which comprises the
 or their
or a
 Perry TA;
 to: 36
. match found in sequence:
abu66255 ; Gila monster exendin-4 analogue #14.
 Holloway H,
 (USSH) US DEPT HEALTH & HUMAN SERVICES.
 Gila monster exendin-4 analogue #14.
 from: 1
 Example 9; Page 37; 119pp; English.
 Ā
 ABU66255 standard; peptide; 36
 30-JUL-2002; 2002WO-US024141.
 Doyle M,
 31-JUL-2001; 2001US-0309076P
 sclerosis or brain injury).
 check: 333
 20-MAY-2003 (first entry)
 Heloderma suspectum.
 WPI; 2003-268106/26
 Egan J,
 (from "seq4ags.pep")
TOIG of: abu66255 c
 WO2003011892-A2.
 Sequence 36 AA;
 13-FEB-2003.
 Synthetic.
 Greig NH,
 ABU66255;
```

polycystic ovary syndrome; PCOS; glucagon-like peptide-1; GLP-1; gynaecological; antidiabetic; anorectic; hypotensive; antilipaemic; antidiaterility; depliatory; andocrine-gen.; antiseborrheic; dermatcological; plasma glucose regulator; insulin secretion stimulator; insulin resistance; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperandrogenism; histutism; alopecia; acne; enfarged multifollicular ovaries; abnormal uterine bleeding; spontaneous abortion; insulin sensitivity; Gila monster; exendin 3.

'note= "C-terminal amide" Location/Qualifiers

WO2003061362-A2.

31-JUL-2003.

Heloderma suspectum.

Key Modified-site

22-JAN-2002; 2002US-0350395P. 11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109

(REST-) RESTORAGEN INC

WPI; 2003-663337/62.

Hathaway DR;

Gila monster exendin 3 peptide SEQ ID NO: 7.

(first entry)

20-NOV-2003

ADA44870;

ADA44870 standard; peptide; 39 AA.

```
The present invention relates to an adenoviral vector comprising a polymucleotide sequence encoding glucagon-like peptide 1 (GLP-1) or glucose-dependent insulinotropic peptide (GIP), a polymucleotide sequence encoding a signal sequence upstream of it, and a polymuclation signal downstream of it. The viral vector is useful in gene therapy for treating type II diabetes, obesity and related conditions by in vivo expression of GLP-1, and/or GIP. The treatment may be combined with the administration of dipeptidyl peptidase IV (DPP-IV) inhibitors. ABU91969-ABU91975 represent GLP-1, GLP-1 variant, exendin or GIP peptides
 New viral vectors comprising a sequence encoding glucagons-like peptide 1 or glucose-dependent insulinotropic peptide, a sequence encoding a signal sequence, and a polyadenylation signal, for treating e.g. diabetes or
 Adenoviral vector; glucagon-like peptide 1; GLP-1; GIP; obesity; glucose-dependent insulinotropic peptide; type II diabetes; in vivo expression; dipeptidyl peptidase IV inhibitor; DPP-IV; GLP-1 variant; exendin; antidiabetic; anorectic; gene therapy.
 Hughes T, Kaleko M, Pattison S;
 to: 39
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
 check: 9570 from: 1
 Disclosure; Page 17; 62pp; English.
 abu91974 ; Glia monster exendin peptide
 ABU91974 standard; peptide; 39 AA.
 Glia monster exendin peptide.
 09-OCT-2002; 2002WO-US032051
 09-OCT-2001; 2001US-0328116P
 Golightly D,
 (first entry)
 match found in sequence:
 2003-381685/36.
 (NOVS) NOVARTIS AG
 N-PSDB; ACA92262.
 WO2003030946-A1.
 n "Beq4agB.pep"
of: abu91974
 Unidentified
 14-JUL-2003
 Connelly S,
Sakhuja K;
 17-APR-2003
 ABU91974;
 obesity
```

The invention relates to a method for treating polycystic ovary syndrome (PCOS). The method comprises administering a glucagon-like peptide-1 (GLP -1) molecule. The method of the invention has gynecological.

catidiabetic, anorectic, hypotensive, antilipaemic, antilifertility, antidiabetic, anorectic, natiseborrheic, and dermatological activity. CG AGLP-I molecule of the invention acts as a plasma glucose regulator, or insulin secretion stimulator. The method is useful for treating polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin cesistance, hyperinsulinaemia, type-2 diabetes, obeatly, hypertension, hyperalpidaemia, anovulation or irregular ovulation, infittility.

CM Pyperingidaemia, anovulation or irregular ovulation, infittility ovaries, abnormal uterine bleeding and spontaneous abortion, and for restoring regular menses, ovulation and fertility. AGLP-I molecule reduces insulin resistance or increases insulin sensitivity. The present reduces trepresents a Gila monster venom peptide, exendin 3, which shows ADA44870 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key) Sequence 39 AA; homology 

Treating polycystic ovary syndrome and associated symptoms e.g. insulin resistance comprises administering glucagon-like peptide-1 molecule.

Disclosure; Page 9; 11pp; English

|-----| HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

ABU91974 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

l match found in sequence:
ada44870 ; Gila monster exendin 3 peptide SEQ ID NO:
(from "seq4ags.pep")
(TOG Of: ada44870 check: 9591 from: 1 to: 39

ď. 1 match found in sequence: ada44872 ; Gila monster exendin 4 peptide SEQ ID NO: to: 39

from: 1

TOIG of: adb84203 check: 9591

ADB84203 standard; peptide; 39 AA

vasotropic; intermittent claudication; skeletal muscle injury; ischaemia; glucagon-like peptide-1; GLP-1; peripheral vasular disease; glucose oxidation; fatty acid oxidation reduction; Gila monster venom; exendin 3.

Gila monster venom exendin 3.

04-DEC-2003 (first entry)

ADB84203;

/note= "C-terminal amide"

Location/Qualifiers

Misc-difference 39

US2003073626-A1

17-APR-2003.

Heloderma suspectum.

```
The invention relates to a method for treating polycystic ovary syndrome (PCOS). The method comprises administering a glucagon-like peptide-1 (GLP -1) molecule. The method of the invention has gynecological.

antidiabetic, anorectic, hypotensive, antilipaemic, antinifertility, depilatory, andocrine-gen., antiseborrheic, and dermatological activity.

A GLP-1 molecule of the invention acts as a plasma glucose regulator, or insulin secretion stimulator. The method is useful for treating polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin polycystic ovary syndrome (PCOS) and its symptoms, particularly insulin the prestantion or irregular ovulation, infertility, hyperandrogenism, hirsutism, alopecia, acne, enlarged multifollicular ovaries, abnormal uterine bleeding and spontaneous abortion, and for restoring regular menses, ovulation and fertility. A GLP-1 molecule reduces insulin resistance or increases insulin sensitivity. The present considered in the present sequence represents a Gila monster venom peptide, exendin 4, which shows
 polycystic ovary syndrome; PCOS; glucagon-like peptide-1; GLP-1; gynaecological; antidiabetic; anorectic; hypotensive; antilipaemic; antidiaterility; depliatory; andocrine-gen.; antiseborrheic; dermatological; plasma glucose regulator; insulin secretion stimulator; insulin resistance; hyperinsulinaemia; type-2 diabetes; obesity; hypertension; hyperinsulinaemia; type-2 diabetes; obesity; infertility; hyperandrogenism; anovulation; irregular ovulation; enfertility; hyperandrogenism; hirsuliam; alopecia; acne; enlarged multifollicular ovaries; abnormal uterine bleeding; spontaneous abortion; insulin sensitivity; Gila monster; exendin 4.
 Treating polycystic ovary syndrome and associated symptoms e.g. insulin resistance comprises administering glucagon-like peptide-1 molecule.
 ADA44872 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seg4' (mohamed337.key)
 Gila monster exendin 4 peptide SEQ ID NO: 9.
 to: 39
 from: 1
 ADA44872 standard; peptide; 39 AA
 Disclosure; Page 9; 11pp; English
 22-JAN-2002; 2002US-0350395P.
11-DEC-2002; 2002US-00317126.
 14-JAN-2003; 2003WO-US001109
 check: 9570
 (first entry)
 (REST-) RESTORAGEN INC.
 WPI; 2003-663337/62.
 Heloderma suspectum
 nomology to GLP-1.
 WO2003061362-A2.
(from "seq4ags.pep")
TOIG of: ada44872 c
 Sequence 39 AA;
 Hathaway DR;
 20-NOV-2003
 31-JUL-2003
```

```
The ivention describes a method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischaemia and/or reperfusion in a human subject, comprising the administration of a glucagon-like peptide-1 (GLP-1) molecule. The method is useful for treating or preventing intermittent claudication or skeletal muscle suffering from peripheral vascular disease (PVD). Administration of GLP-1 in a subject improves skeletal muscle performance by promoting glucose oxidation and reducing fatty acid oxidation. This is the amino acid sequence of a mammalian glucagon-like peptide-1 peptide GLP-1(1-37) that can be used in the method of the invention.
 Method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischemia and/or reperfusion in a human subject, comprises administration of a glucagon-like peptide-1 molecule.
 ADB84203 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 to: 39
 HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 check: 9570 from: 1
 match found in sequence: adb84205; Gila monster venom exendin 4.
 Disclosure; Page 4; 12pp; English
 ADB84205 standard; peptide; 39 AA
 05-MAR-2002; 2002US-00091258
 09-MAY-2001; 2001US-00851738
 99US-00302596
 Coolidge TR;
 (HATH/) HATHAWAY D R. (COOL/) COOLIDGE T R.
 WPI; 2003-677986/64.
 (from "seq4ags.pep")
TOIG of: adb84205 c
 Sequence 39 AA;
 Hathaway DR,
 30-APR-1999;
 ADB84205;
BXX
```

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence: adb84203 ; Gila monster venom exendin 3. (from "seq4ags.pep")

```
The present invention describes an insulin-secreting cell comprising an insulin-secreting cell transfected with a nucleotide sequence encoding a protein selected from glucagon.like peptide-1 (GLP-1) and its analogue. Also described: (1) constructing an insulin-dependent glucose-secreting cell comprising: (a) providing an insulin-secreting cell; (b) isolating comprising the proglucagon a minispene construct comprising a nucleotide sequence comprising the plasmid with the minispene construct; and (e) isolating the plasmid with the minispene construct; and (e) including the plasmid in the insulin-secreting cell; (b) exposing the ability of a drug to stimulate cells to secrete insulin comprising: (a) providing an insulin by providing the insulin-secreting cell; (b) exposing the cell; and (3) supplying insulin to a mammal comprising: (a) providing the insulin-secreting cells; (b) exposing the cells to a body fluid of the insulin-secreting cells; (b) exposing the cells to a body fluid of the cinsulin-secreting cell; (c) the mammal insulin secreted from the cells. The insulin-secreting cell and methods are useful for transferring to the mammal insulin secreted from the cells. The insulince secreting cell and methods are useful for transferring cell the present sequence represents exendin-4, which is a GLP-1 receptor general parts used in the exemplification of the present invention.
insulin-secreting cell; glucagon-like peptide-1; GLP-1; diabetes; human;
 New insulin-secreting cell comprising an insulin-secreting cell transfected with a nucleotide sequence encoding a protein selected from glucagons-like peptide-1 (GLP) and its analog, useful for treating
 GLP-1; glucagon-like peptide-1; exendin; antidiabetic; anti-obesity;
insulinotropic; hypoglycaemic; insulin secretion; glucagon suppressor;
 Check: 9570
 ADD02757 Length: 39 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)
 to: 31
 . match found in sequence:
add12855 ; Exendin derivative parent peptide #1.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Exendin derivative parent peptide #1.
 Claim 7; SEQ ID NO 4; 45pp; English.
 check: 7617 from: 1
 (CEDA-) CEDARS SINAI MEDICAL CENT.
 ADD12855 standard; peptide; 31 AA
 11-MAR-2003; 2003WO-US007210.
 12-MAR-2002; 2002US-00097230.
 01-JAN-2004 (first entry)
 WPI; 2003-779115/73
 Hui H;
 WO2003078462-A2
 (from "seq4ags.pep")
TOIG of: add12855
 Sequence 39 AA;
 Homo sapiens
 Perfetti R,
 25-SEP-2003
 exendin-4.
 diabetes.
 ADD12855;
 vasotropic; intermittent claudication; skeletal muscle injury; ischaemia; glucagon-like peptide-1; GLP-1; peripheral vascular disease; glucose oxidation; fatty acid oxidation reduction; Gila monster venom;
 The ivention describes a method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischaemia and/or reperfusion in a human subject, comprising the administration of a glucagon-like peptide-1 (GLP-1) molecule. The method is useful for treating or preventing intermittent claudication or skeletal muscle suffering from peripheral vascular disease (PVD). Administration of GLP-1 in a subject improves skeletal muscle performance by promoting glucose oxidation and reducing fatty acid oxidation. This is the amino acid sequence of a mammalian glucagon-like peptide-1 peptide GLP-1(1-37) that can be used in the method of the invention.
 Method for the treatment or prevention of intermittent claudication or skeletal muscle injury caused by ischemia and/or reperfusion in a human subject, comprises administration of a glucagon-like peptide-1 molecule.
 ADB84205 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 match found in sequence:
add02757 ; Exendin-4 amino acid sequence SEQ ID NO:4.
 to: 39
 Exendin-4 amino acid sequence SEQ ID NO:4.
 Location/Qualifiers
39
/note= "C-terminal amide"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 from: 1
 Disclosure, Page 4, 12pp; English
 39 AA
 Gila monster venom exendin 4.
 05-MAR-2002; 2002US-00091258
 30-APR-1999; 99US-00302596
09-MAY-2001; 2001US-00851738
 standard; peptide;
 check: 9570
 (first entry)
 Coolidge TR;
 01-JAN-2004 (first entry)
 (HATH/) HATHAWAY D R. (COOL/) COOLIDGE T R.
 WPI; 2003-677986/64:
 Heloderma suspectum
 (from "seq4ags.pep")
TOIG of: add02757 c
 Misc-difference
 US2003073626-A1
 Sequence 39 AA;
 Hathaway DR,
 17-APR-2003.
 04-DEC-2003
 exendin 4.
 ADD02757
 ADD02757
```

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The present invention describes derivatives (A1) of GLP-1 (glucagon-like peptide-1) (7-c) (with c = 35 or 36) having just one lipophilic computations (LS) attended to the C-terminal amino acid (aa) and derivatives (A2) of exendin with LS attended to at least one as of the parent peptide. Al excludes compounds Arg26, Arg34, Lys36-(N-computation) and A2 blus compounds Arg26, Arg34, Lys36-(N-computation) and A2 plus a vehicle or carrier. Al and A2 have containing A1 and A2 plus a vehicle or carrier. Al and A2 have containing A1 and A2 plus a vehicle or carrier. Al and A2 have also inhibit gastric emptying and pancreatic secretion and may reduce containing and obesity, and also to prevent hyperglycaemic activities. Al stimulates secretion of insulin but suppresses that of glucagon. They also inhibit gastric emptying and pancreatic secretion and may reduce food intake. Al and A2 are used to treat (non-)insulin-dependent diabetes mellitus and obesity, and also to prevent hyperglycaemia. Al and A2 have a greater persistence in vivo than corresponding peptides without LS (because of reduced sensitivity to dipeptidyl peptidases). When formulated with other antidiabetic agents, they often produce a synergistic effect. The present sequence represents an exendin derivative function of the present
 New derivatives of glucagon-like peptide-1 and exendin containing
lipophilic substituent, for treating diabetes and obesity.
 ADD12855 Length: 31 February 4, 2005 13:19 Type: P Check: 7617 ound using 'seq4' (mohamed337.key)
gastric emptying inhibitor; pancreatic secretion inhibitor;
non-insulin-dependent diabetes mellitus;
insulin-dependent diabetes mellitus; obesity; hyperglycaemia.
 Nielsen PF, Madsen K;
 adf44966 ; H. horridum exendin-3 peptide fragment.
 to: 39
 H. horridum exendin-3 peptide fragment.
 from: 1
 Location/Qualifiers
 ADP44966 standard; peptide; 39 AA.
 HGEGTFTSDLSKOMBEEAVRLFIEWLKNGGX
 Claim 82; Page 61; 69pp; English.
 /label= Pro, Tyr
 99WO-DK000086
 98DK-00000274
 check: 9591
 Huusfeldt PO,
 12-FEB-2004 (first entry)
 (NOVO) NOVO-NORDISK AS
 1 match found in sequence:
 WPI; 1999-540562/45.
 Misc-difference 31
 Sequence 31 AA;
 n "seq4ags.pep"
of: adf44966
 Found using 'seq4'
 25-FEB-1999;
 27-FEB-1998;
 05-MAY-1998;
 WO9943708-A1
 Knudsen LB,
 02-SEP-1999
 Synthetic
 nvention
 ADF44966;
 (from 1
 2XXX2X2X
```

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This invention describes a novel method for discovering a substance that is pharmaceutically active in a target organism. The method comprises generating an BST (expressed sequence tag) library from the reference organism or tissue and identifying active compounds in the reference organism or tissue and identifying active compounds in the reference organisms or tissue and identifying active comparison between the BST (library and sequence information on the target organism. Particularly at least two reference organisms are used, to allow identification of conserved structures, which are then used to identify orthologous structures are then condition, e.g. by structure-based optimisation of the required or properties. The method is used to identify polypeptides which are then used optionally after optimisation of properties, as pharmaceuticals, or after validation as a drug target, for development of ligands, also potential pharmaceuticals. Polypeptides and nucleic acids encoding them, can also be used for identification and validation of drug targets and for identification and validation of drug targets and active interest at structures for pharmaceutical development. The method facilitates discovery of agents that are biologically active, specifically in humans, and should reduce the time between discovery and development of new drugs, since previous understanding of molecular mechanisms of pathology or of the structures involved in drug design are not necessary. The identified drugs will usually be very specific, with reduced side effects. Sequencing of a cDNA bank from the mexican bearded itzard peptide. Analysis of corresponding sequences from other corresponding sequences from other repulses showed that the N-terminal region of the measure of practice peptide. Analysis of corresponding sequences from other and which the prequences of matriures to peptide. The prequence of matriures of particular or several particular of the prequence of particular or secure of matriures of particular or secure or several p
detection; EST; expressed sequence tag library; conserved structure; pharmaceutical; drug target; mexican bearded lizard; natriuretic peptide; bradykinin; angiotensin-converting enzyme; 88; exendin-3.
 Identifying substances with a specific activity in target organisms, useful for drug development, by detecting compounds with related activity
 encodes peptides that potentiate the effect of bradykinin and inhibit
 ADF44966 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
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 ;;
 (from "seq4ags.pep")
TOIG of: adg73288 check: 9591 from: 1
 ADG73288 standard; peptide; 39 AA
 Example 1; Page 28; 76pp; German.
 angiotensin-converting enzyme.
 20-FEB-2003; 2003WO-EP001765.
 20-FEB-2002; 2002DE-01008187
 Ë
 in reference organisms.
 Schleuning W, Schulz
 WPI; 2003-697652/66.
 (PAIO-) PAION GMBH.
 Heloderma horridum
 WO2003071268-A2.
 Sequence 39 AA;
 28-AUG-2003
 SXS
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ADG73288;

```
GLP-1 (glucagon-like peptide-1) compound and delivery agent. The formulation of the invention demonstrates antidiabetic, anorectic, cerebroprotective, cardiant, antidinflammatory, gastrointestinal and vasotropic activities and may be useful for the treatment of insulinchange activities and may be useful for the treatment of insulinchanges after surgery, functional dyspepsia and infarction, catabolic when formulated with a delivery agent the GLP-1 compound can cross intestinal membranes while remaining active, allowing oral administration. The current sequence is that of the glucagon-like peptide-1-related Extendin-3 peptide of the invention.
 Pharmaceutical formulation, useful e.g. for the treatment of non-insulindependent diabetes, obesity, stroke or myocardial infarction, comprises glucagon-like peptide-1 and a delivery agent.
 ø
 GLP-1; glucagon-like peptide-1; antidiabetic; anorectic; cerebroprotective; cardiant; antiinflammatory; gastrointestinal; vasotropic; insulin-dependent diabetes; obseity; stroke; myocardial infarction; catabolic change; surgery; functional dyspepsia; irritable bowel syndrome; oral administration; Extendin-3.
 The invention relates to a novel pharmaceutical formulation comprising
 Check: 9591
 adg73289; Glucagon-like peptide-1-related Extendin-4 peptide.
(from "seq4ags.pep")
TOIG of: adg73289 check: 9570 from: 1 to: 39
 GLP-1; glucagon-like peptide-1; antidiabetic; anorectic;
 Glucagon-like peptide-1-related Extendin-3 peptide.
 Glucagon-like peptide-1-related Extendin-4 peptide.
 ADG73288 Length: 39 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 /note= "C-terminal amide"
 HSDGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 Claim 2; SEQ ID NO 10; 72pp; English
 Location/Qualifiers
 standard; peptide; 39 AA.
 07-FEB-2003; 2003WO-US003111.
 20-FEB-2002; 2002US-0358184P.
 (first entry)
 (first entry)
 (ELIL) LILLY & CO ELI
 found in sequence:
 WPI; 2003-731576/69.
 WO2003072195-A2
 Sequence 39 AA;
 Key
Modified-site
 Unidentified.
 11-MAR-2004
 04-SEP-2003
 11-MAR-2004
 ADG73289
 ADG73289
 Khan MA;
 match
EXEXEXEX
```

```
The invention relates to a novel pharmaceutical formulation comprising a GIP-1 (glucagon-like peptide-1) compound and a delivery agent. The formulation of the invention demonstrates antidiabetic, anorectic, cerebroprotective, cardiant, antiinflammatory, gastrointestinal and vasotropic activities and may be useful for the treatment of insulindependent diabetes, obesity, stroke, myocardial infarction, catabolic changes after surgery, functional dyspepsia and irritable bowel syndrome. When formulated with a delivery agent the GIP-1 compound can cross intestinal membranes while remaining active, allowing oral administration. The current sequence is that of the glucagon-like peptide -1-related Extendin-4 peptide of the invention.
 -nilusulin-
 Fusion protein; human serum albumin; HSA; therapeutic protein; human serum albumin; HSA; therapeutic protein; shelf-life; in vitro biological activity; m vivo biological activity; metabolic disorder; endocrine disorder; disbetes; type 1; type 2; diabetes-related condition; hyperglycaemia; neural disorder; neuropathy; extinopathy; cardiovaecular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.
 Pharmaceutical formulation, useful e.g. for the treatment of non-insulin dependent diabetes, obesity, stroke or myocardial infarction, comprises glucagon-like peptide-1 and a delivery agent.
cerebroprotective; cardiant; antiinflammatory; gastrointestinal;
vasotropic; insulin-dependent diabetes; obesity; stroke;
myocardial infarction; catabolic change; surgery; functional dyspepsia;
irritable bowel syndrome; oral administration; Extendin-4.
 1 match found in sequence:
adh21336 ; Human albumin/extendin fragment fusion protein, SEQ ID NO:133.
 Type: P Check: 9570
 Human albumin/extendin fragment fusion protein, SEQ ID NO:133.
 to: 648
 /note= "C-terminal amide"
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 ADG73289 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Claim 2; SEQ ID NO 11; 72pp; English.
 check: 1808 from: 1
 Location/Qualifiers
 ADH21336 standard; protein; 648 AA.
 07-FEB-2003; 2003WO-US003111.
 20-FEB-2002; 2002US-0358184P.
 11-MAR-2004 (first entry)
 WPI; 2003-731576/69.
 (ELIL) LILLY & CO
 WO2003072195-A2
 (from "seq4ags.pep")
TOIG of: adh21336 c
 Sequence 39 AA;
 Key
Modified-site
 Unidentified
 04-SEP-2003
 ADH21336;
 Khan MA;
```

-----match found in sequence: adh21337 ; Human albumin/extendin fragment fusion protein, SEQ ID NO:134.

to: 648

check: 7050 from: 1

(from "seq4ags.pep") TOIG of: adh21337 c

ADH21337 standard; protein; 648 AA.

```
The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic protein may be fused to the N-terminus, the C-terminus or both termini of albumin via a linker. The albumin component of the fusion proteins or prolongs the shelf-life and the in vitro and vivo biological activity of the proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids encoding albumin fusion proteins, vectors and host cells comprising an albumin fusion protein, the method of extending the shelf-life of a clammin fusion protein, the method of extending the shelf-life of a clammin fusion protein by fusion with albumin, and the treatment of disease using an albumin fusion protein. The albumin fusion proteins may be used in the treatment of metabolic/endocrine disorders, diabetes and diabetes.

Crelated conditions. Specifically the albumin fusion proteins may be used to treat type 1 and type 2 diabetes, hyperglycaemia, neural disorders (especially heart disease, renal disorders and obseity. The proteins may also be used in a method of maintaining a basal glucose level in a comparing the invente is
 New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.
 Length: 648 February 4, 2005 13:20 Type: P Check: 1808
ng 'seg4' (mohamed337.key)
 Disclosure; SEQ ID NO 133; 1086pp; English.
 2002US-0378950P.
2002US-0398008P.
2002US-0402131P.
2002US-0402708P.
 2002US-0414984P.
2002US-0417611P.
 (HUMA-) HUMAN GENOME SCI INC.
 2002US-0367500P
2002US-0370227P
 23-DEC-2002; 2002WO-US040892
 2002US-0360000P
 2002US-0411355P
 2002US-0420246P
 2002US-0423623P
 to the invention.
 Rosen CA, Haseltine WA;
 WPI; 2003-598501/56.
 Sequence 648 AA;
 WO2003059934-A2.
 Ното варіепв.
 24-JUL-2002;
09-AUG-2002;
 18-SEP-2002;
02-OCT-2002;
 08-APR-2002;
 13-AUG-2002;
 05-NOV-2002;
 27-MAR-2002;
 10-MAY-2002;
 23-OCT-2002;
 24-JAN-2002;
26-FEB-2002;
 28-FEB-2002;
 24-JUL-2003
Chimeric
 related
```

2001US-0341811P. 2002US-0350358P.

23-DEC-2002; 2002WO-US040892

WO2003059934-A2 Homo sapiens.

Chimeric

24-JUL-2003.

28-FEB-2002; 2002US-0360000P. 27-MAR-2002; 2002US-0367500P.

26-FEB-2002;

2002US-0370227P.

08-APR-2002;

10-MAY-2002; 2002US-0378950P. 24-JUL-2002; 2002US-0398008P.

09-AUG-2002; 2002US-0402131P 13-AUG-2002; 2002US-0402708P

L8-SEP-2002; 2002US-0411355P. .002; 2002US-0414984P.

11-OCT-2002; 2002US-0417611P 23-OCT-2002; 2002US-0420246P

05-NOV-2002; 2002US-0423623P.

(HUMA-) HUMAN GENOME SCI INC

Haseltine WA;

Rosen CA,

WPI; 2003-598501/56.

Fusion protein; human serum albumin; HSA; therapeutic protein; healt-life; in vitro biological activity; an vivo biological activity; metabolic disorder; endocrine disorder; diabetes; type 1; type 2; diabetes-related condition; hyperglycaemia; neural disorder; neuropathy; extinopathy; cardiovascular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.

Human albumin/extendin fragment fusion protein, SEQ ID NO:134.

11-MAR-2004 (first entry)

ADH21337;

The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic protein, protein may be fused to the N-terminus, the C-terminus or both termin of albumin via a linker. The albumin component of the fusion proteins prolongs the shelf-life and the in vitro and vivo biological activity of the proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids encoding albumin fusion protein nucleic acid, compositions and ktts comprising an albumin fusion protein, the method of extending the shelf-life of a therapeutic protein by flusion with albumin, and the treatment of disease using an albumin fusion protein. The albumin, and the treatment of disease using an albumin fusion protein. The albumin fusion proteins may be used in the treatment of metabolic/endocrine disorders, diabetes and diabetes New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus. Disclosure; SEQ ID NO 134; 1086pp; English. 

KPKATKEQLKAVMDDFAAFVEKCCKADDKETCFAEEGKKLVAASQAALGLHGEGTFTSDL

999

Found using

SKOMEEEAVRLFIEWLKNGGPSSGAPPPS

620

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related conditions. Specifically the albumin fusion proteins may be used to treat type 1 and type 2 diabetes, hyperglycaemia, neural disorders (especially neuropathy), retinopathy, cardiovascular disorders (especially heart disease, renal disorders and obseity. The proteins may also be used in a method of maintaining a basal glucose level in a patient and in a method for losing weight. The present sequence is related to the invention.
 Fusion protein; human serum albumin; HSA; therapeutic protein; shelf-life; in vitro biological activity; in vivo biological activity; metabolic disorder; endocrine disorder; diabetes; type 1; type 2; alabetes related condition; hyperalycaemia; neural disorder; neuropathy; retinopathy; cardiovascular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.
 Check: 7050
 MKWVSFISLLFLFSSAYSRSLDKRHGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
 ADH21337 Length: 648 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 match found in sequence:
adh21405 ; Human extendin fragment, SEQ ID NO:202
 PPSDAHKSEVAHRFKDLGEENFKALVLIAFAQYLQQCPFEDH
 ς
:
 Human extendin fragment, SEQ ID NO:202.
 ADH21405 standard; protein; 87 AA
 2002US-0378950P.
2002US-0398008P.
2002US-0402131P.
 2001US-0341811P.
2002US-0350358P.
 2002US-0402708P
 2002US-0414984P
 2002US-0417611P.
 (HUMA-) HUMAN GENOME SCI INC.
 23-DEC-2002; 2002WO-US040892
 2002US-0359370P
 2002US-0367500P
 2002US-0370227P
 2002US-0360000P
 2002US-0411355P
 check: 973
 (first entry)
 Rosen CA, Haseltine WA;
 WPI; 2003-598501/56.
N-PSDB; ADH22125.
 Sequence 648 AA;
 WO2003059934-A2.
 (from "seq4ags.pep")
TOIG of: adh21405 c
 05-NOV-2002;
 Homo sapiens
 21-DEC-2001;
 08-APR-2002;
 10-MAY-2002;
 09-AUG-2002;
 13-AUG-2002;
 18-SEP-2002;
 -OCT-2002;
 11-OCT-2002;
 24-JAN-2002;
26-FEB-2002;
 28-FEB-2002;
 27-MAR-2002;
 11-MAR-2004
 24-JUL-2003
 ADH21405;
```

```
The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic correction may be fused to the N-terminus, the C-terminus or both termini of albumin via a linker. The albumin component of the fusion proteins compared with those of the corresponding therapeutic proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids encoding albumin fusion protein nucleic acid, compositions and kits comprising an albumin fusion protein, the method of extending the shelf-life of a therapeutic protein by fusion with albumin, and the treatment of disease using an albumin fusion protein. The albumin fusion proteins may be used to the treatment of methodic-fendocrine disorders, diabetes and diabetes. The treatment of methodic-fendocrine disorders, diabetes and diabetes contracted conditions. Specifically the albumin fusion proteins may be used to treat type 1 and type 2 diabetes, hyperglycaemia, neural disorders (especially neuropathy), retinopathy, cardiovascular disorders (especially heart disease, renal disorders and obseity. The proteins may also be used in a method of maintaining a basal glucose level in a patient disease, renal disorders and obseity. The proteins may be used also be used in a method of maintaining a basal glucose level in a decompanial proteins may be used also be used the present sequence is
 Fusion protein; human serum albumin; HSA; therapeutic protein; shelf-life; in vitro biological activity; in vivo biological activity; metabolic disorder; endocrine disorder; diabetes; type 1; type 2; diabetes-related condition; hyperglycaemia; neural disorder; neuropathy; retinopathy; cardiovascular disorder; heart disease; renal disorder; obesity; glucose level maintenance; weight loss; antidiabetic; cardiant; anorectic; ophthalmological; gene therapy.
 New albumin fusion protein, useful for preparing a composition for treating diabetes mellitus.
 MKIILWLCVFGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ
 ADH21405 Length: 87 February 4, 2005 13:20 Type: P Check: 973 ound using 'seq4' (mohamed337.key)
 adh21406 ; Human extendin fragment, SEQ ID NO:203. (from "seq4ags.pep")
 Disclosure, SEQ ID NO 202; 1086pp; English.
 to: 87
 Human extendin fragment, SEQ ID NO:203.
 check: 973 from: 1
 ADH21406 standard; protein; 87 AA
 MEEEAVRLFIEWLKNGGPSSGAPPPSG
 21-DEC-2001; 2001US-0341811P.
24-JAN-2002; 2002US-0350358P.
 23-DEC-2002; 2002WO-US040892
 11-MAR-2004 (first entry)
 related to the invention.
 I match found in sequence:
 WO2003059934-A2.
 Sequence 87 AA;
 TOIG of: adh21406
 Homo sapiens
 24-JUL-2003.
 ADH21406;
 Found
 61
```

```
This invention relates to a novel method for the prevention and intervention into Type I diabetes and Latent Autoimmune Diabetes in the Adult (LADA). Specifically, it refers to the administration of a modulator derived from a CD3 and GLP-1 compound. This combined treatment provides a synergistic effect and can attenuate the further destruction of beta-cells, hence improving glycaemic control in diabetic patients. Furthermore, it can be used as a prophylactic for people at high risk for the development of type I diabetes and can provide an improved prognosis with respect to microvascular and macrovascular complications. The present invention describes exendin, a GLP-1 compound that is insulinotropic, as well as analogues and fragments derived thereof that can be used to modulate beta cell function. Accordingly, the compositions of this invention exhibit immunosuppressive and antidiabetic activities. This peptide sequence is a GLP-1 compound, the exendin peptide of the
 Preventing and intervening of Type 1 diabetes and latent autoimmune diabetes in the adult, comprising administering a modulator of CD3 and a {
m GLP-1} compound to a patient.
 Type 1 diabetes; Latent Autoimmune Diabetes in the Adult; LADA; CD3; GLP-1; beta-cell; glycaemic control; exendin; insulinotropic; immunosuppressive; antidiabetic.
 cardiac disease; cardiovascular disease; diabetic patient;
non-diabetic patient; glucagon like peptide-1; GLP 1; cardiant;
 ADH22131 Length: 31 February 4, 2005 13:20 Type: P Check: 7617 Found using 'seq4' (mohamed337.key)
 match found in sequence:
adh73029 , Glucagon like peptide-1 related exendin peptide 1.
 Exendin peptide, an insulinotropic GLP-1 compound.
 Glucagon like peptide-1 related exendin peptide 1.
 to: 31
 check: 7617 from: 1
 Location/Qualifiers
 Disclosure; Page 8; 24pp; English.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGX
 ADH73029 standard; peptide; 31 AA
 /label= Pro, Tyr
 12-JUN-2003; 2003WO-DK000387.
 14-JUN-2002; 2002DK-00000909
 25-MAR-2004 (first entry)
 Sturis J;
 (NOVO) NOVO NORDISK AS.
 WPI; 2004-090758/09.
 Misc-difference 31
 (from "seq4ags.pep")
TOIG of: adh73029 c
 WO2003105897-A1
 Sequence 31 AA;
 Michelsen BK,
 Unidentified
 24-DEC-2003.
 invention
 ADH73029;
 The invention relates to fusion proteins comprising human serum albumin (ADH21530) and a therapeutic polypeptide such as a therapeutic protein, antibody or peptide or their variants or fragments. The therapeutic protein may be fused to the N-terminus, the C-terminus or both termin of albumin via a linker. The albumin component of the fusion proteins of the proteins compared with those of the corresponding therapeutic the proteins compared with those of the corresponding therapeutic proteins on their own. The invention also relates to nucleic acids proteins on their own protein, vectors and host cells comprising an albumin fusion protein, vectors and most cells comprising an albumin fusion protein with albumin, and the treatment of disease using an albumin fusion with albumin, fusion protein with albumin, fusion protein in the albumin, fusion protein with albumin, fusion protein may be used to therapeutic protein, the method of extending the shelf-life of a therapeutic protein protein. The albumin fusion proteins may be used in the treatment of metabolic/endocrine disorders, diabetes and diabetes to treat type 1 and type 2 diabetes, hyperalycaemia, neural disorders (especially neuropathy), retinopathy, cardiovascular disorders can expect in a method of maintaining a basal glucose level in a patient disorder is a patient and in a method for losing weight. The present sequence is
 New albumin fusion protein, useful for preparing a composition for
 MKIILWLCVPGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ
 ADH21406 Length: 87 February 4, 2005 13:20 Type: P Check: 973 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adh2213; Exendin peptide, an insulinotropic GLP-1 compound.
(from "seq4ags.pep")
TOIG of: adh22131 check: 7617 from: 1 to: 31
 Disclosure; SEQ ID NO 203; 1086pp; English.
 ADH22131 standard; peptide; 31 AA
 2002US-0378950P.
2002US-0398008P.
2002US-0402131P.
2002US-0402708P.
 MEEEAVRLFIEWLKNGGPSSGAPPPSG
 2002US-0367500P.
2002US-0370227P.
 02-OCT-2002; 2002US-0414984P.
11-OCT-2002; 2002US-0417611P.
 18-SEP-2002; 2002US-0411355P.
 23-OCT-2002; 2002US-0420246P.
05-NOV-2002; 2002US-0423623P.
 (HUMA-) HUMAN GENOME SCI INC
 treating diabetes mellitus.
 11-MAR-2004 (first entry)
 related to the invention.
 Haseltine WA;
 WPI; 2003-598501/56.
N-PSDB; ADH22126.
 Sequence 87 AA;
 24-JUL-2002;
09-AUG-2002;
 10-MAY-2002;
 13-AUG-2002;
 Rosen CA,
 ADH22131;
 SEEEE
```

coronary artery disease; essential hypertension; acute hypertension; acute hypertensive emergency; cardiomyopathy; heart insufficiency; exercise tolerance; chronic heart failure; arrhythmia; cardiac dysrhythmia; syncopy; atherosclerosis; mild chronic heart failure; angina pectoris; cardiac bypass reocclusion; mild chronic heart failure; angina pectoris; cardiac bypass reocclusion; intermittent claudication; atherosclerosis obliterens; diastolic dysfunction; acute coronary syndrome; unstable angina; non-Q-wave cardiac necrosis; Q-wave myocardial infarct, stroke. Use of a glucagon like peptide-1 agonist or its salt for the preparation of a pharmaceutical composition for the treatment or prevention of an early cardiac or early cardiovascular disease in a diabetic or noncardiovascular-Gen; antiarrhythmic; antianginal; antiarteriosclerotic; vasotropic; hypotensive; glucose metabolism; cardiovascular haemodynamic regulator; left ventricular hypertrophy; Larsen J, Elbrond B; Selmer J, Location/Qualifiers Disclosure; Page 7; 14pp; English. Carr RD, /label= Pro, Tyr Rolin BC, Carr RI Christoffersen C; 12-APR-2003; 2003WO-DK000216. 04-APR-2002; 2002DK-00000499. 23-APR-2002; 2002US-0375255P. (NOVO ) NOVO NORDISK AS. WPI; 2004-022543/02. Misc-difference 31 diabetic patient WO2003084563-A1 Unidentified Knudsen LB, Nielsen LB, 16-OCT-2003 

This invention relates to a novel method for the treatment or prevention of an early cardiac or early cardiovascular disease in a diabetic or non-diabetic patient where a glucagon like peptide—1 (GLD 1) agonist or its salt is used. The invention may be useful for the development of antianginal, antiarteriosclerotic, vasotropic or hypotensive activity compounds with a cardiant, cardiovascular-Gen, antiarrhythmic, antiarteriosclerotic, vasotropic or hypotensive activity compounds with a cardiant, cardiovascular-Gen, antiarrhythmic, antiantiar antianginal may be used for the treatment or prevention of an early cardiac or early cardiovascular disease, essential cardiac drawnical ar hypertensive emergency, cardiovascular disease, essential hypertension, acute hypertensive emergency, cardiomyopathy, heart cardiac dysthythmia, syncopy, acherosclerosis, mild chronic heart failure, antihmia, somethy, exercise tolerance, chronic heart failure, arrhythmia, cardiac dysthythmia, syncopy, acherosclerosis, mild chronic heart failure, angina pectoris, cardiac bypass reocclusion, intermittent claudication (for example atherosclerosis, mild chronic heart failure, cardiaction of a pharmaceutical composition for reducing the level of brain natriuretic peptide (BNP) in plasma and/or heart tissue in a diabetic or non-diabetic patient. The invention may also be useful for the treatment of myocardial infarction, acute coronary cardiac and morbidity after stroke. The diabetic patient or non-diabetic patient in the form of the coronary corresponding to prove the coronary coronary cardiact or non-diabetic patient. The invention may also be syndrome, unstable angina, non-Q-wave cardiac necrosis, Q-wave myocardial the corresponding of a pharmaceutical propriet or non-diabetic patient. the corresponding other GLP-1 analogues. The GLP-1 analogues lower the brain natriuretic peptide (BNP) in the plasma and/or heart tissue, in addition to lowering blood glucose and plasma lipids. The present sequence is that of an exendin peptide which is related to the invention.

February 4, 2005 13:20 Type: P Check: 7617 ADH73029 Length: 31

Sequence 31 AA;

```
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGX
Found using 'seq4' (mohamed337.key)
```

```
1 match found in sequence:
adi24854 ; Exendin-4 as active moiety for pharmacologically active peptide.
 to: 39
 (from "seq4ags.pep")
TOIG of: adi24854 check: 9570 from: 1
```

ADI24854 standard; peptide; 39 AA

15-APR-2004 (first entry)

ADI24854;

pharmacologically active peptide conjugate; enzymatic cleavage; pain; HIV; cancer; diabetes; incontinence; hypertension; ammesia; Alzheimer's disease; fever; depression; sex hormone regulation; eating disorder; schizophrenia; osteoporosis; insomnia; Central nervous system disorder; contraceptive. Exendin-4 as active moiety for pharmacologically active peptide. Synthetic. 

/note= "amidated C-terminus" Location/Qualifiers Key Modified-site WO9946283-A1

16-SEP-1999.

99WO-DK000118. 09-MAR-1999;

09-MAR-1998;

(ZEAL-) ZEALAND PHARM AS.

Larsen BD;

WPI; 1999-561659/47.

New peptide conjugates used for treating, e.g. pain, HIV, depression, schizophrenia, osteoporosis or insomnia.

Claim 24; Page 91; 113pp; English

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The invention relates to a novel pharmacologically active peptide conjugate having a reduced tendency towards enzymatic cleavage comprises X and Z, where: (a) X is a pharmacologically active peptide sequence; and (b) Z is a stabilising peptide sequence of 4-20 amino acid units covalently bound to X, where each amino acid unit in the stabilizing peptide sequence. Z being selected from Ala, Leu, Ser, Thr, Tyr, Asr, Gln, Asp, Glu, Lys, Arg, His, Met, Orn, and amino acid units of formula NH-C(R1)(R2)-C(-O)-(1), where R and R2 are H, 1-6c alkyl, phenyl, phenyl, where 1-6c-alkyl is optionally substituted with 1-3 substituted with 1-3 substituents selected from halogen, hydroxy, amino, cyano, nitro, substituted with 1-3 substituents selected from 1-6c-alkyl, 2-6c-alkenyl,
pharmacologically active peptide conjugate is not selected from sequences (ADI24837)-(ADI24841). The peptide conjugates can be used for treating e.g. pain, HIV, cancer, diabetes, incontinence, hypertension, amnesia, Alzheimer's disease, fever, depression, sex hormone regulation, eating disorders, schizophrenia, osteoporosis or insomnia. They can also be used for treating e.g. CNS disorders and as contraceptives. The conjugated peptides are less susceptible to degradation by proteases compared to the corresponding free pharmacologically active peptides. This sequence represents a pharmacologically active peptide as the X part of the peptide of the invention.
 adi24855 ; Exendin-3 as active moiety for pharmacologically active peptide.
 pharmacologically active peptide conjugate; enzymatic cleavage; pain; HIV; cancer; diabetes; incontinence; hypertension; amnesia; Alzheimer's disease; fever; depression; sex hormone regulation; eating disorder; schizophrenia; osteoporosis; insomnia;
 New peptide conjugates used for treating, e.g. pain, HIV, depression, schizophrenia, osteoporosis or insomnia.
 Exendin-3 as active moiety for pharmacologically active peptide.
 ADI24854 Length: 39 February 4, 2005 13:19 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 Central nervous system disorder; contraceptive.
 to: 39
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 from: 1
 ADI24855 standard; peptide; 39 AA.
 Claim 24; Page 91; 113pp; English.
 99WO-DK000118
 98DK-00000317
 check: 9591
 (first entry)
 (ZEAL-) ZEALAND PHARM AS
 1 match found in sequence:
 WPI; 1999-561659/47.
 n "seq4ags.pep")
of: adi24855 cl
 Sequence 39 AA;
 WO9946283-A1
 09-MAR-1999;
 09-MAR-1998;
 15-APR-2004
 16-SEP-1999
 Synthetic.
 Larsen BD;
 ADI24855;
 88888888888888888
```

```
Tarogen, introly, and the control of adminopropanoic acid, the ratio between the half-life of the opptide of the peptide of the peptide conjugate and the half-life of the corresponding active peptide sequence, X, when treated with carboxypeptidase A or leucine aminopeptidase in about 50 mM phosphate buffer solution at about ph 7.4 and about 37 deg C or in serum or plasma is at least about 2 (preferably at least about 10), or when the pharmacologically active peptide X is not orally absorbed, the conjugate is adsorbed, or a salt, with the proviso that the pharmacologically active peptide conjugate is not selected from sequences (ADIZ4837)-(ADIZ4841). The peptide conjugate is not selected from sequences (ADIZ4837)-(ADIZ4841). The peptide conjugates can be used for treating conjugates can be used for treating disorders, schizophrenia, osteoporosis or insomnia. They can also be used for treating e.g. CNS disorders and as contraceptives. The conjugated corresponding free pharmacologically active peptide as the X part of the represents a pharmacologically active peptide as the X part of the peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
hydroxy, amino, cyano, nitro, sulfono, and carboxy, or R 1 and
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardicovascular; mexican beaded lizard.
 ADI24855 Length: 39 February 4, 2005 13:19 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 39
 . match found in sequence:
ad166122 ; Exendin agonist peptide, SEQ ID No 1.
 |-----|
HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 1.
 check: 9591 from: 1
 Location/Qualifiers
39
 ADL66122 standard; peptide; 39 AA
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 Heloderma horridum
 (from "seq4ags.pep")
TOIG of: ad166122 c
 WO2003099314-A1.
 Sequence 39 AA;
 Key
Modified-site
 04-DEC-2003.
 ADL66122;
```

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 gp/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anoncetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, which is a such as impaired glucose to be an extended to the such as impaired such as incompared.
 hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
Disclosure, SEQ ID NO 1; 173pp; English.
 Sequence 39 AA;
\overset{\circ}{\times}\overset{\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\circ}{\times}\overset{\overset
```

ADL66122 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 vound using 'seq4' (mohamed337.key) Found

HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS

check: 9570 from: 1 to: 39 ad166123 ; Exendin agonist peptide, SEQ ID No 2. match found in sequence: (from "seq4ags.pep") TOIG of: adl66123

ADL66123 standard; peptide; 39 AA.

ADL66123

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 2.

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucoses; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular; gila monster. 

Heloderma suspectum

Location/Qualifiers 39 Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; WPI; 2004-042706/04. Young AA,

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 2; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined

release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

888888888888888

Sequence 39 AA;

Type: P Check: 9570 ADL66123 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

9 to: 30 ad166126 ; Exendin agonist peptide, SEQ ID No check: 4889 from: 1 match found in sequence: (from "seq4ags.pep") TOIG of: ad166126 c

ADL66126 standard; peptide; 30 AA

ADL66126;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 6.

exendin; extended release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular 

Synthetic.

WO2003099314-A1.

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

WPI; 2004-042706/04.

Kolterman OG;

Young AA,

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 6; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obsesty, hypexglycaemia, dyslipidaemia or cardiovascular disease. This sequence

Found using 'seq4' (mohamed337.key)

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Check: 4889
represents an exendin agonist peptide of the invention.
 а
 2005 13:20 Type:
 ad166127; Exendin agonist peptide, SEQ ID No 7. (from "seq4ags.pep")
TOIG of: ad166127 check: 4889 from: 1 to: 30
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 7; 173pp; English.
 Exendin agonist peptide, SEQ ID No 7.
 Location/Qualifiers
 ADL66127 standard; peptide; 30 AA
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG
 ADL66126 Length: 30 February 4, Found using 'seq4' (mohamed337.key)
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 check: 4889
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 1 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 30 AA;
 Sequence 30 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66127;
 SXS
```

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Length: 28 February 4, 2005 13:20 Type: P Check: 151
 match found in sequence:
ad166128 ; Exendin agonist peptide, SEQ ID No 8.
 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 8; 173pp; English.
 Exendin agonist peptide, SEQ ID No 8.
 Location/Qualifiers
 from: 1
 ADL66128 standard; peptide; 28 AA
|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
 Found using 'seq4' (mohamed337.key
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 check: 151
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: adl66128
 WO2003099314-A1
 Sequence 28 AA;
 Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66128;
 ADL66128
```

HGEGTFTSDLSKOLEEEAVRLAIEFLKN

ADL66127 Length: 30 February 4, 2005 13:20 Type: P Check: 4889

;;

from: 1

(first entry)

/note= "C-terminal amide"

Location/Qualifiers 39

```
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Exendin agonist peptide, SEQ ID No 10.
 ADL66130 standard; peptide; 39 AA.
 dyslipidaemia, cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
TOIG of: adl66130 check: 9556
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66130;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impairsed glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 Check: 9131
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 2005 13:20 Type: P
 match found in sequence:
ad166129; Exendin agonist peptide, SEQ ID No 9.
(from "seq4ags.pep")
TOIG of: ad166129 check: 9131 from: 1 to: 39
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 9; 173pp; English.
 Exendin agonist peptide, SEQ ID No 9.
 Location/Qualifiers
 ADL66129 standard; peptide; 39 AA
 ADL66129 Length: 39 February 4, Found using 'seq4' (mohamed337.key)
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 ADL66129
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Kolterman OG;

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impatred glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exemular agonist peptide of the invention.
 ADL66130 Length: 39 February 4, 2005 13:20 Type: P Check: 9556 Found using 'seq4' (mohamed337.key)
 match found in sequence: ad166131 ; Exendin agonist peptide, SEQ ID No 11
 to: 39
 HGEGTFTSDLSKOLEEEAVRLFIEWLKNGGPSSGAPPPS
 Disclosure, SEQ ID NO 10; 173pp; English.
 check: 9145 from: 1
 ADL66131 standard; peptide; 39 AA
 (from "seq4ags.pep")
TOIG of: ad166131 c
 Sequence 39 AA;
 ADL66131;
 a X X
```

1 match found in sequence:
adl66130 ; Exendin agonist peptide, SEQ ID No 10.
(from "seq4ags.pep")

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS

Fri Feb

20-MAY-2004

04-DEC-2003.

Young AA,

Synthetic

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formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, and antilipeamic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia a cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Type: P Check: 9587
 match found in sequence:
ad166133 ; Exendin agonist peptide, SEQ ID No 13.
 39
 YGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 6132 Length: 39 February 4, 2005 13:20 using 'seq4' (mohamed337.key)
 :
:
 Disclosure; SEQ ID NO 12; 173pp; English
 Exendin agonist peptide, SEQ ID No 13.
 from: 1
 Location/Qualifiers
 Ä
 ADL66133 standard; peptide; 39
 dyslipidaemia; cardiovascular
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699.
 check: 9804
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 "seq4ags.pep"
 Key
Modified-site
 TOIG of: adl66133
 04-DEC-2003
 Synthetic
 ADL66133;
 ADL66132
 Found
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66131 Length: 39 February 4, 2005 13:20 Type: P Check: 9145 ound using 'seq4' (mohamed337.key)
 adl66132 ; Exendin agonist peptide, SEQ ID No 12.
 39
 HGEGTPTSDLSKOMBERAVRLFIBFLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 ;
t
 Disclosure; SEQ ID NO 11; 173pp; English
 Exendin agonist peptide, SEQ ID No 12.
 Exendin agonist peptide, SEQ ID No 11.
 check: 9587 from: 1
 Location/Qualifiers
39
 ADL66132 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 (from "seq4ags.pep"
TOIG of: ad166132
 Modified-site
```

20-MAY-2004

ADL66132

Found

Kolterman

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28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224.
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
 04-DEC-2003.
 Young AA,
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66133 Length: 39 February 4, 2005 13:20 Type: P Check: 9804 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166134; Exendin agonist peptide, SEQ ID No 14.
(from "seq4ags.pep")
TOIG of: ad166134 check: 9567 from: 1 to: 39
 /note= "C-terminal amide"
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPY
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 13; 173pp; English.
 Exendin agonist peptide, SEQ ID No 14.
 Location/Qualifiers
 Location/Qualifiers
 ADL66134 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 Key
Modified-site
 04-DEC-2003
Synthetic.
 Young AA,
 Synthetic
 ADL66134;
```

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66134 Length: 39 February 4, 2005 13:20 Type: P Check: 9567 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adl66135 ; Exendin agonist peptide, SEQ ID No 15.
 |-----|
HGDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 14; 173pp; English.
 Exendin agonist peptide, SEQ ID No 15.
 check: 9678 from: 1
 Location/Qualifiers
39
 ADL66135 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular
 20-MAY-2004 (first entry)
 (from "seq4ags.pep"
TOIG of: ad166135
 Sequence 39 AA;
 WO2003099314-A1
 Key
Modified-site
 04-DEC-2003.
 Synthetic
 ADL66135;
```

seq4\_ags.res

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66135 Length: 39 February 4, 2005 13:20 Type: P Check: 9678 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166136 ; Exendin agonist peptide, SEQ ID No 16.
 to: 39
 |-----|
HGEGTXTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 15; 173pp; English
 Exendin agonist peptide, SEQ ID No 16.
 from: 1
 Location/Qualifiers
 ADL66136 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224.
28-MAY-2003; 2003WO-US016699
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (from "seq4ags.pep")
TOIG of: ad166136 check: 9563
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic
 ADL66136;
 B X B X B X B X B X X X X X X X X X B
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66136 Length: 39 February 4, 2005 13:20 Type: P Check: 9563 Found using 'seq4' (mohamed337.key)
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 1 match found in sequence:
adl66137; Exendin agonist peptide, SEQ ID No 17.
(from "seq4ags.pep")
TOIG Of: adl66137 check: 9571 from: 1 to: 39
 HGEGTFSSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 16; 173pp; English
 Exendin agonist peptide, SEQ ID No 17.
 Location/Qualifiers
 ADL66137 standard; peptide; 39
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
ĝ
 Kolterman OG;
Kolterman
 WPI; 2004-042706/04.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 Young AA,
 ADL66137;
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Fri Feb

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation 

Disclosure; SEQ ID NO 17; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

ADL66137 Length: 39 February 4, 2005 13:20 Type: P Check: 9571 Found using 'seq4' (mohamed337.key)

HGEGTFSTDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

adl66138 ; Exendin agonist peptide, SEQ ID No 18 to: 39 from: 1 check: 9578 1 match found in sequence: n "Beq4agB.pep") of: adl66138 c

ADL66138;

ADL66138 standard; peptide; 39 AA

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 18

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. 

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure, SEQ ID NO 18; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 39 AA;

ADL66138 Length: 39 February 4, 2005 13:20 Type: P Check: 9578 ound using 'seq4' (mohamed337.key) Found

HGEGTFTTDLSKOMEEEAVRLF1EWLKNGGPSSGAPPPS

adl66139 ; Exendin agonist peptide, SEQ ID No 19 to: 39 check: 9579 from: 1 ADL66139 standard; peptide; 39 AA match found in sequence: (from "seq4ags.pep" TOIG of: ad166139 

ADL66139;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 19.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 19; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such

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that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 888888888888888
```

Sequence 39 AA;

ADL66139 Length: 39 February 4, 2005 13:20 Type: P Check: 9579 ound using 'seq4' (mohamed337.key) Found using

HGEGTFTSELSKOMBERAVRLFIEWLKNGGPSSGAPPPS

. match found in sequence:
ad166140 ; Exendin agonist peptide, SEQ ID No 20.
(from "seq4ags.pep")
TOIG of: ad166140 check: 9690 from: 1 to: 39

ADL66140 standard; peptide; 39 AA (first entry) 20-MAY-2004 

exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. Exendin agonist peptide, SEQ ID No 20.

Synthetic

/note= "C-terminal amide" 'note= "Pentylglycine" Location/Qualifiers Key Modified-site Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC

Young AA, Kolterman OG; WPI; 2004-042706/04. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure, SEQ ID NO 20, 173pp, English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25\$ of the predetermined release period. The composition has antidiabetic,

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anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
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Sequence 39 AA; 8888888

Type: P Check: 9690 ADL66140 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDXSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

21 to: 39 ad166141 ; Exendin agonist peptide, SEQ ID No check: 9251 from: 1 match found in sequence: from "seq4ags.pep") TOIG

ADL66141;

ADL66141 standard; peptide; 39 AA.

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 21.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

/note= "C-terminal amide" /note= "Pentylglycine" Location/Qualifiers Modified-site Modified-site 

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 21; 173pp; English.

exendin (agonist) peptide in a extended release formulation. The formulation is capable of releasing the peptide over a predetermined formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 to f the predetermined release period. The composition has antidiabetic, ancectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or The invention relates to a novel pharmaceutical composition comprising an

ADL66142 Length: 39 February 4, 2005 13:20 Type: P Check: 9724 Found using 'seq4' (mohamed337.key)

Sequence 39 AA;

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Fri Feb
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a mount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Check: 9251
 ADL66141 Length: 39 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adl66142; Exendin agonist peptide, SEQ ID No 22.
(from "seq4ags.pep")
TOIG of: adl66142 check: 9724 from: 1 to: 39
 /note= "C-terminal amide"
 HGEGTFTSDXSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 22; 173pp; English
 'note= "Pentylglycine"
 Exendin agonist peptide, SEQ ID No 22.
 Location/Qualifiers
 ADL66142 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003
 Synthetic.
 ADL66142;
 ន្តដូន្តន
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ad166143 ; Exendin agonist peptide, SEQ ID No 23
 to: 39
 /note= "C-terminal amide"
HGEGTFTSDLSKQXEEEAVRLFIEWLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 23; 173pp; English
 note= "Pentylglycine"
 Exendin agonist peptide, SEQ ID No 23.
 check: 9299 from: 1
 Location/Qualifiers
 ADL66143 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 (from "seq4ags.pep"
TOIG of: ad166143
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66143;
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Sequence 39 AA;

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ADL66143 Length: 39 February 4, 2005 13:20 Type: P Check: 9299 Found using 'seq4' (mohamed337.key)
```

## HGEGTFTSDLSKOXEEEAVRLFIEFLKNGGPSSGAPPPS

match found in sequence:
adl66144; Exendin agnist peptide, SEQ ID No 24.
(from seaqlags.pep")
TOIG of: adl66144 check: 9966 from: 1 to: 39

ADL66144 standard; peptide; 39 AA

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 24.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

/note= "C-terminal amide" 'note= "Naphthylalanine" Location/Qualifiers Modified-site Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 24; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25\$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity. hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 

Sequence 39 AA;

ADL66144 Length: 39 February 4, 2005 13:20 Type: P Check: 9966 Found using 'seq4' (mohamed337.key)

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|-----|
HGEGTFTSDLSKQMEEEAVRLXIEWLKNGGPSSGAPPPS
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adl66145 ; Exendin agonist peptide, SEQ ID No 25
1 match found in sequence:
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check: 9869 from: 1 (from "seq4ags.pep") TOIG of: ad166145 c

ADL66145 standard; peptide; 39 AA

ADL66145;

20-MAY-2004

(first entry)

Exendin agonist peptide, SEQ ID No 25.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

Location/Qualifiers Key Modified-site

'note= "C-terminal amide"

WO2003099314-A1.

04-DEC-2003. 

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 25; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 g of the predetermined release period. The composition has antidiaberic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention

Sequence 39 AA

2005 13:20 Type: P Check: 9869 ADL66145 Length: 39 February 4, Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFVEWLKNGGPSSGAPPPS

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 s of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Disclosure; SEQ ID NO 27; 173pp; English.
 Exendin agonist peptide, SEQ ID No 27.
 ADL66147 standard; peptide; 39
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 Modified-site
 04-DEC-2003.
 20-MAY-2004
 Synthetic.
 Young AA,
 ADL66147;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66146 Length: 39 February 4, 2005 13:20 Type: P Check: 9430 Found using 'seq4' (mohamed337.key)
 adl66146 ; Exendin agonist peptide, SEQ ID No 26.
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 26; 173pp; English
 Exendin agonist peptide, SEQ ID No 26.
 from: 1
 Location/Qualifiers
 ADL66146 standard; peptide; 39 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 9430
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
match found in sequence:
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166146 c
 WO2003099314-A1.
 Sequence 39 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 foung AA,
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Kolterman

'note= "Tertiary-butylglycine"

Location/Qualifiers

/note= "C-terminal amide"

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ADL66147 Length: 39 February 4, 2005 13:20 Type: P Check: 9915 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
ad166148; Exendin agonist peptide, SEQ ID No 28.
(from "seq4ags.pep")
TOIG Of: ad166148 check: 9476 from: 1 to: 39
 HGEGTFTSDLSKQMEEEAVRLFXEWLKNGGPSSGAPPPS
 ADL66148 standard; peptide; 39 AA
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ADL66148;

match found in sequence:
adl66147; Exendin agonist peptide, SEQ ID No 27.
(from "seq4ags.pep")
TOIG of: adl66147 check: 9915 from: 1 to: 39

HGEGTFTSDLSKQLEEEAVRLFVEFLKNGGPSSGAPPPS

Exendin agonist peptide, SEQ ID No 29.

seq4 ags.res

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 'note= "Tertiary-butylglycine"
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 28; 173pp; English
 Exendin agonist peptide, SEQ ID No 28
 Location/Qualifiers
 dyslipidaemia, cardiovascular.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
```

ADL66148 Length: 39 February 4, 2005 13:20 Type: P Check: 9476 Found using 'seq4' (mohamed337.key)

```
29
 to: 39
|-----|
HGEGTFTSDLSKQLEEEAVRLFXEFLKNGGPSSGAPPPS
 . match found in sequence:
ad166149; Exendin agonist peptide, SEQ ID No
(from "seq4ags.pep")
(from ad166149 check: 9546 from: 1 to:
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20-MAY-2004 (first entry) ADL66149; SAXEX

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ADL66149 standard; peptide;

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66149 Length: 39 February 4, 2005 13:20 Type: P Check: 9546 Found using 'seq4' (mohamed337.key)
 adl66150; Exendin agonist peptide, SEQ ID No 30. (from "seq4ags.pep")
TOIG of: adl66150 check: 9119 from: 1 to: 39
 HGEGTFTSDLSKQMEEEAVRLFIDWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 29; 173pp; English.
 Exendin agonist peptide, SEQ ID No 30.
 Location/Qualifiers
 ADL66150 standard; peptide; 39
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 1 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic
 ADL66150;
 exendin;
```

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impatraed glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 31; 173pp; English.
 36. .38
/note= "Thioproline"
 'note= "Thioproline"
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
 ADL66150 Length: 39 February 4, 2005 13:20 Type: P Check: 9119 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166151; Exendin agonist peptide, SEQ ID No 31.
(from "seq4ags.pep")
TOIG of: ad166151 check: 706 from: 1 to: 39
 /note= "C-terminal amide"
 |-----|
HAEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
1
 Disclosure; SEQ ID NO 30; 173pp; English.
 Location/Qualifiers
39
 ADL66151 standard; peptide; 39 AA.
cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
dyslipidaemia;
 Key
Modified-site
 04-DEC-2003
 Synthetic
 Young AA,
```

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exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
ADL66151 Length: 39 February 4, 2005 13:20 Type: P Check: 706 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166152; Exemilian agonist peptide, SEQ ID No 32.
(from seq44ag.pep)
TOIG of: ad166152 check: 458 from: 1 to: 39
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
 Exendin agonist peptide, SEQ ID No 32
 Location/Qualifiers 36. .38
 ADL66152 standard; peptide; 39 AA
 20-MAY-2004 (first entry)
 Key
Modified-site
 Synthetic.
 ADL66152;
```

exendin; extended-release formulation; plasma level; antidiabetic; antidipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Location/Qualifiers

Synthetic

Key

Exendin agonist peptide, SEQ ID No 31

20-MAY-2004 (first entry)

WO2003099314-A1

04-DEC-2003

Young AA,

Modified-site

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 match found in sequence:
adl66154; Exemdin agonist peptide, SEQ ID No 34.
(from "seq4ags.pep")
TOIG of: adl66154 check: 458 from: 1 to: 39
 /note= "C-terminal amide"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXXS
1
 ADL66153 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 33; 173pp; English.
 Exendin agonist peptide, SEQ ID No 34.
 Location/Qualifiers
36. .38
/note= "Homoproline"
 ADL66154 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66154;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66152 Length: 39 February 4, 2005 13:20 Type: P Check: 458 ound using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention
 match found in sequence:
ad166153; Exendin agonist peptide, SEQ ID No 33.
(from "seq4ags.pep")
TOIG of: ad166153 check: 706 from: 1 to: 39
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 32; 173pp; English.
 Exendin agonist peptide, SEQ ID No 33.
/note= "Thioproline"
 ADL66153 standard; peptide; 39 AA.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
```

Sequence 39 AA;

Found

Type: P Check: 706

/note= "C-terminal amide"

36. .38 /note= "Homoproline" note= "Homoproline"

Location/Qualifiers

Modified-site Modified-site

Synthetic

20-MAY-2004

ADL66153;

Modified-site Modified-site

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyglipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66155 Length: 39 February 4, 2005 13:20 Type: P Check: 267 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention.
 . match found in sequence: ad166156; Exendin agonist peptide, SEQ ID No 36. (from "seq4ags.pep") TOIG of: ad166156 check: 267 from: 1 to: 39
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 35; 173pp; English
 Exendin agonist peptide, SEQ ID No 36.
 'note= "Homoproline"
 16. .38
'note= "Homoproline"
 Location/Qualifiers
 ADL66156 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 39 AA;
 WO2003099314-A1
 Key
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Synthetic.
 ADL66156;
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antolipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66154 Length: 39 February 4, 2005 13:20 Type: P Check: 458 Found using 'seq4' (mohamed337.key)
 ad166155; Exendin agonist peptide, SEQ ID No 35. (from "seq4ags.pep")
TOIG of: ad166155 check: 267 from: 1 to: 39
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 34; 173pp; English.
 Exendin agonist peptide, SEQ ID No 35.
 'note= "Thioproline"
 'note= "Thioproline"
 Location/Qualifiers
 ADL66155 standard; peptide; 39 AA
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 .38
 Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
WO2003099314-A1
 Sequence 39 AA;
 WO2003099314-A1
 Modified-site
 Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic.
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ADL66155;

Fri Feb

28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699.

04-DEC-2003

(AMYL-) AMYLIN PHARM INC

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66157 Length: 39 February 4, 2005 13:20 Type: P Check: 706 Pound using 'seq4' (mohamed337.key)
 adl66158; Exendin agonist peptide, SEQ ID No 38. (from "seq4ags.pep")
TOIG of: adl66158 check: 458 from: 1 to: 39
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 37; 173pp; English.
 16. .38
/note= "N-methylalanine"
 Exendin agonist peptide, SEQ ID No 38.
 Location/Qualifiers
 ADL66158 standard; peptide; 39 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 39 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66158;
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66156 Length: 39 February 4, 2005 13:20 Type: P Check: 267 Found using 'seq4' (mohamed337.key)
 ad166157 ; Exendin agonist peptide, SEQ ID No 37.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 36; 173pp; English.
 36. .38
/note= "N-methylalanine"
 note= "N-methylalanine"
 Exendin agonist peptide, SEQ ID No 37.
 Location/Qualifiers
 check: 706 from: 1
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ADL66157 standard; peptide; 39 AA

match found in sequence: n "seg4ags.pep") of: ad166157

Sequence 39 AA;

(first entry)

20-MAY-2004

ADL66157

WO2003099314-A1

04-DEC-2003

Key Modified-site Modified-site Modified-site

Synthetic.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66158 Length: 39 February 4, 2005 13:20 Type: P Check: 458 Found using '8eq4' (mohamed337.key)
 . match found in sequence:
adl66159; Exendin agonist peptide, SEQ ID No 39.
(from "seq4ags.pep")
TOIG of: adl66159 check: 267 from: 1 to: 39
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXXS
 Disclosure; SEQ ID NO 38; 173pp; English
 /note= "C-terminal amide"
 36. .38 //wec.my.alanine" //note= "N-methylalanine" 39
 /note= "N-methylalanine"
 Exendin agonist peptide, SEQ ID No 39.
 Location/Qualifiers
 ADL66159 standard; peptide; 39 AA.
 dyslipidaemia; cardiovascular
28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 39 AA;
 WO2003099314-A1
 Modified-site
 Modified-site
 Modified-site
 04-DEC-2003
 Synthetic.
 foung AA,
 ADL66159;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Type: P Check: 267
 . match found in sequence:
adl66160; Exendin agonist peptide, SEQ ID No 40.
(from "seq4ags.pep")
TOIG of: adl66160 check: 700 from: 1 to: 28
 ADL66159 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGXSSGAXXXS
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 39; 173pp; English.
 Exendin agonist peptide, SEQ ID No 40.
 Location/Qualifiers
 ADL66160 standard; peptide; 28
 cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 Young AA, Kolterman OG;
 WPI; 2004-042706/04
 Sequence 39 AA;
 WO2003099314-A1
 dyslipidaemia;
 Modified-site
 04-DEC-2003
 Young AA,
 Synthetic
 ADL66160;
 1 match
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The invention relates to a novel pharmaceutical composition comprising an exemdin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impairted glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66160 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
 ad166161; Exendin agonist peptide, SEQ ID No 41.
 (from "seq4ags.pep")
 TOIG Of: ad166161 check: 261 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 40; 173pp; English
 Exendin agonist peptide, SEQ ID No 41.
 Location/Qualifiers
28
 ADL66161 standard; peptide; 28 AA
 HGEGTFISDLSKOMEEEAVRLFIEWLKN
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WPI; 2004-042706/04.
 Sequence 28 AA;
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 Synthetic
 Young AA,
 ADL66161;
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formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The
 invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 extended-release formulation; plasma level; antidiabetic; s; antilipaemic; diabetes; glucose; gastric emptying; of food intake; tolerance; obesity; hyperglycaemia;
 ADL66161 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)
 adl66162; Exendin agonist peptide, SEQ ID No 42. (from "seq4ags.pep")
TOIG of: adl66162 check: 249 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 41; 173pp; English.
 Disclosure; SEQ ID NO 42; 173pp; English
 Exendin agonist peptide, SEQ ID No 42.
 Location/Qualifiers
 ADL66162 standard; peptide; 28
 HGEGTFTSDLSKQLEEEAVRLFIEFLKN
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003.
 anorectic;
 Synthetic.
 ADL66162;
```

formulation is capable of releasing the peptide over a predetermined trelease period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, annorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Sequence 28 AA; \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$

ADL66162 Length: 28 February 4, 2005 13:20 Type: P Check: 249 ound using 'seq4' (mohamed337.key) Found using

HAEGTFTSDLSKQLEEEAVRLFIEFLKN

adl66163; Exendin agonist peptide, SEQ ID No 43. (from "seq4ags.pep")
TOIG of: adl66163 check: 166 from: 1 to: 28 match found in sequence:

ADL66163 standard; peptide; 28 AA. (first entry) 20-MAY-2004 ADL66163;

exendin; extended-release formulation; plasma level; antidiabetic; anorectic, antilipaemic, diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardlovascular. 

Exendin agonist peptide, SEQ ID No 43.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 43; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic,

anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, hyperglycaemia, dyglipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention

Sequence 28 AA;

8888888

Type: P Check: 166 February 4, 2005 13:20 ADL66163 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

|------| HGEGAFTSDLSKQLEEEAVRLFIEFLKN 1

ad166164; Exendin agonist peptide, SEQ ID No 44. to: 28 check: 231 from: 1 match found in sequence: (from "seq4ags.pep") TOIG of: ad166164 c

ADL66164 standard; peptide; 28 AA

ADL66164;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 44.

exendin; extended release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; 

dyslipidaemia; cardiovascular

Synthetic

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

ä

Kolterman

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 44; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 soft the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence

SXS

HGEGTFTADLSKOLEEEAVRLFIEFLKN

```
Found using 'seq4' (mohamed337.key)
 1 match found in sequence:
 exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, in hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Check: 231
represents an exendin agonist peptide of the invention.
 represents an exendin agonist peptide of the invention
 ADL66164 Length: 28 February 4, 2005 13:20 Type: P
Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adl66165; Exendin agonist peptide, SEQ ID No 45.
(from "seq4ags.pep")
TOIG of: adl66165 check: 117 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 45; 173pp; English.
 Exendin agonist peptide, SEQ ID No 45.
 Location/Qualifiers
28
 ADL66165 standard; peptide; 28 AA.
 HGEGTATSDLSKOLEEEAVRLFIEFLKŇ
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Sequence 28 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
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ADL66165 Length: 28 February 4, 2005 13:20 Type: P Check: 117

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impatred glucose tolerance, obesity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucões; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Length: 28 February 4, 2005 13:20 Type: P Check: 151
adl66166; Exemdin agonist peptide, SEQ ID No 46. (from "seq4ags.pep")
TOIG of: adl66166 check: 151 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 46; 173pp; English.
 Exendin agonist peptide, SEQ ID No 46.
 Location/Qualifiers
 ADL66166 standard; peptide; 28
 HGEGTFTSDASKQLEEEAVRLFIEFLKN
 Found using 'seq4' (mohamed337.key
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Key
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66166;
 ADL66166
```

to: 28

rolg of: adl66168 check: 141 from: 1

ADL66168 standard; peptide; 28 AA.

exendin; extended release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 48.

20-MAY-2004 (first entry)

ADL66168;

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers 28

Key Modified-site

Synthetic

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 15 sp of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycamia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66167 Length: 28 February 4, 2005 13:20 Type: P Check: 63 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention
. match found in sequence:
ad166167; Exendin agonist peptide, SEQ ID No 47.
(from "seq4ags.pept"
TOIG of: ad166167 check: 63 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 47; 173pp; English
 Exendin agonist peptide, SEQ ID No 47.
 Location/Qualifiers
28
 ADL66167 standard; peptide; 28 AA
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66167;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, of the predetermined release period. The novel composition and method anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 Type: P Check: 141
 1 match found in sequence:
adl66169 ; Exendin agonist peptide, SEQ ID No 49.
 to: 28
 ADL66168 Length: 28 February 4, 2005 13:20 ound using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 48; 173pp; English
 from: 1
 ADL66169 standard; peptide; 28 AA.
 HGEGTFTSDLSAQLEEEAVRLFIEFLKN
 check: 53
 (from "seq4ags.pep")
TOIG of: ad166169 c
 Sequence 28 AA;
 ADL66169;
 Found using
e X X
```

. match found in sequence: ad166168 ; Exendin agonist peptide, SEQ ID No 48. (from "seq4ags.pep")

**HGEGTFTSDLAKQLEEEAVRLFIEFLK**Ň

20-MAY-2004

Modified-site

Synthetic

04-DEC-2003

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Type: P Check: 107
 ad166171; Exendin agonist peptide, SEQ ID No 51. (from "seq4ags.pep")
TOIG of: ad166171 check: 201 from: 1 to: 28
 /note= "C-terminal amide"
 ADL66170 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 50; 173pp; English.
 Exendin agonist peptide, SEQ ID No 51.
 Location/Qualifiers
 ADL66171 standard; peptide; 28
 HGEGTFTSDLSKQAEEEAVRLFIEFLKN
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
 WO2003099314-A1.
 Key
Modified-site
 Sequence 28 AA;
 04-DEC-2003
 Synthetic
 ADL66171;

 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipsemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 23
 ADL66169 Length: 28 Pebruary 4, 2005 13:20 Type: P Check: und using 'seq4' (mohamed337.key)
 ad166170; Exendin agonist peptide, SEQ ID No 50. (from "seq4ags.pep")
TOIG of: ad166170 check: 107 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 49; 173pp; English
 20.
 Exendin agonist peptide, SEQ ID No 49.
 Location/Qualifiers
28
 Exendin agonist peptide, SEQ ID No
 ADL66170 standard; peptide; 28 AA
 dyslipidaemia; cardiovascular.
 HGEGTFTSDLSKALEEEAVRLFIEFLKN
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
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20-MAY-2004

ADL66170;

Found

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obssity, which is a such as impaired glucose conditions.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66171 Length: 28 February 4, 2005 13:20 Type: P Check: 201 Found using 'seq4' (mohamed337.key)
 match found in sequence:
adl66172; Exemdin agonist peptide, SEQ ID No 52.
(from "seq4ag.pep")
TOIG of: adl66172 check: 197 from: 1 to: 28
 /note= "C-terminal amide"
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 51; 173pp; English
 Exendin agonist peptide, SEQ ID No 52.
 Location/Qualifiers
 Location/Qualifiers
28
 ADL66172 standard; peptide; 28 AA
 |------|
HGEGTFTSDLSKQLAEEAVRLFIEFLKN
 cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 dyslipidaemia;
 Key
Modified-site
 Modified-site
 34-DEC-2003
 Synthetic.
 Synthetic.
 ADL66172;
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The invention relates to a novel pharmaceutical composition comprising an extendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyelipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66172 Length: 28 February 4, 2005 13:20 Type: P Check: 197 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166173 ; Exendin agonist peptide, SEQ ID No 53.
 to: 28
 Disclosure; SEQ ID NO 52; 173pp; English.
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 53
 Location/Qualifiers
 check: 193 from: 1
 ADL66173 standard; peptide; 28 AA.
 HGEGTFTSDLSKQLEAEAVRLFIEFLKN
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04.
 WO2003099314-A1
 (from "seq4ags.pep"
TOIG of: ad166173
 Sequence 28 AA;
 WO2003099314-A1
 Key
Modified-site
 04-DEC-2003.
 04-DEC-2003
 Young AA,
 ADL66173;
 Synthetic
```

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exemilia agonist peptide of the invention.
 Disclosure; SEQ ID NO 53; 173pp; English
28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 28 AA;
```

match found in sequence: ad166174 ; Exendin agonist peptide, SEQ ID No 54 to: 28 ADL66173 Length: 28 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key) |------| HGEGTFTSDLSKQLEEAAVRLFIEFLKN 1

from: 1 ADL66174 standard; peptide; 28 AA (from "seq4ags.pep") TOIG of: ad166174 check: 9862 ADL66174;

Exendin agonist peptide, SEQ ID No 54. 20-MAY-2004 (first entry) 

exendin; extended-release formulation; plasma level; antidiabetic; ancilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

04-DEC-2003

WO2003099314-A1

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 54; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

4, 2005 13:20 Type: P Check: 9862 ADL66174 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

|-----HGEGTFTSDLSKQLEEEAARLFIEFLKN

Type: P Check: 193

1 match found in sequence:
ad16175; Exendin agonist peptide, SEQ ID No 55.
(from "seq4ags.pep")
TOIG of: ad166175 check: 9921 from: 1 to: 28 ADL66175 standard; peptide; 28

(first entry) 20-MAY-2004 ADL66175; 

Exendin agonist peptide, SEQ ID No 55.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation

Disclosure; SEQ ID NO 55; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, of the predetermined activities. The novel composition and method anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

ADL66175 Length: 28 February 4, 2005 13:20 Type: P Check: 9921 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HGEGTFTSDLSKQLEEEAVALFIEFLKN 1

adl66176; Exendin agonist peptide, SEQ ID No (from "eeq4ags.pep")
TOIG of: adl66176 check: 30 from: 1 to: 28 1 match found in sequence:

to: 28

ADL66176 standard; peptide; 28 AA 

ADL66176;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 56.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 56; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma alucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

Sequence 28 AA;

Check: 30 February 4, 2005 13:20 Type: P ADL66176 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEBEAVRAFIEFLKN

match found in sequence:
ad166177; Exemin agonist peptide, SEQ ID No 57.
(from seq4ags.pep.)
TOIG of: ad166177 check: 165 from: 1 to: 28

ADL66177;

ADL66177 standard; peptide; 28 AA

20-MAY-2004 (first entry)

57. Exendin agonist peptide, SEQ ID No

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. 

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 57; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such

that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 8888888888888

Sequence 28 AA;

ADL66177 Length: 28 February 4, 2005 13:20 Type: P Check: 165 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIAFLKN

adi66178; Exemdin agonist peptide, SEQ ID No 58. (from "seq4ags.pep")
TOIG of: adl66178 check: 136 from: 1 to: 28 1 match found in sequence:

ADL66178 standard; peptide; 28 AA 

ADL66178;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 58.

exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, dyslipidaemia; cardiovascular.

Synthetic

/note= "C-terminal amide" Location/Qualifiers 28 Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 soft the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. Disclosure; SEQ ID NO 58; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslighaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation. lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia, Check: 136 ADL66178 Length: 28 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key) L match found in sequence:
ad166179; Exemdin agonist peptide, SEQ ID No 59.
(from seq4ags.pep")
TOIG of: ad166179 check: 9975 from: 1 to: 28 /note= "C-terminal amide" Disclosure; SEQ ID NO 59; 173pp; English Exendin agonist peptide, SEQ ID No 59. Location/Qualifiers ADL66179 standard; peptide; 28 AA. |-----| HGEGTFTSDLSKQLEEEAVRLFIEALKN 1 dyslipidaemia; cardiovascular 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699. 20-MAY-2004 (first entry) (AMYL-) AMYLIN PHARM INC. Young AA, Kolterman OG; WPI; 2004-042706/04. WO2003099314-A1 Sequence 28 AA; Key Modified-site 04-DEC-2003. Synthetic. 8888833

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antidipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66179 Length: 28 February 4, 2005 13:20 Type: P Check: 9975 Found using 'seq4' (mohamed337.key)
 ADL66180 Length: 28 February 4, 2005 13:20 Type: P Check: 9991 Found using 'seq4' (mohamed337.key)
 match found in sequence:
adi66180 ; Exendin agonist peptide, SEQ ID No 60.
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 60; 173pp; English.
 Exendin agonist peptide, SEQ ID No 60
 check: 9991 from: 1
 Location/Qualifiers
 ADL66180 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEBAVRLFIEFAKN
1
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166180 c
 WO2003099314-A1
 Sequence 28 AA;
Sequence 28 AA;
 Modified-site
 04-DEC-2003
 Synthetic
 Young AA,
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ad166181 ; Exendin agonist peptide, SEQ ID No 61
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 61; 173pp; English
 Exendin agonist peptide, SEQ ID No 61.
 check: 9897 from: 1
 Location/Qualifiers
 ADL66181 standard; peptide; 28 AA.
HGEGTFTSDLSKQLEEEAVRLFIEFLAN
28
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 1 match found in sequence:
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: ad166181 c
 WO2003099314-A1
 Key
Modified-site
 Young AA,
 Synthetic.
 ADL66181;
```

2005 13:20 Type: P Check: 9897

|-----HGEGTFTSDLSKQLEEEAVRLFIEFLKA 28

ADL66181 Length: 28 February 4, ound using 'seq4' (mohamed337.key)

Found

Sequence 28 AA;

represents an exendin agonist peptide of the invention

exendin, extended release formulation, plasma level, antidiabetic; anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,

dyslipidaemia; cardiovascular

Synthetic

Exendin agonist peptide, SEQ ID No 63

(first entry)

20-MAY-2004

ADL66183 standard; peptide; 38 AA.

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699, 28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers 38

Modified-site

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The Cormulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
. match found in sequence:
ad166182; Exendin agonist peptide, SEQ ID No 62.
(from "seq4ags.pep")
TOIG of: ad166182 check: 6333 from: 1 to: 38
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 62; 173pp; English
 Exendin agonist peptide, SEQ ID No 62.
 Location/Qualifiers
 ADL66182 standard; peptide; 38 AA
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 38 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 foung AA,
 ADL66182;
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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure, SEQ ID NO 63; 173pp; English.

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exendin (agonist) peptide in an extended-release formulation compilerang an extendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25* of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Type: P Check: 5894
 adl66184 ; Exendin agonist peptide, SEQ ID No 64
 to: 37
 2005 13:20
 |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
 from: 1
 ADL66184 standard; peptide; 37 AA
 ADL66183 Length: 38 February 4, Found using 'seq4' (mohamed337.key)
 check: 3293
 20-MAY-2004 (first entry)
 1 match found in sequence
 (from "seq4ags.pep")
 Sequence 38 AA;
 ADL66184;
出致な数群
```

ADL66182 Length: 38 February 4, 2005 13:20 Type: P Check: 6333

Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPSSGAPPP

1 match found in sequence:
adl66183; Exendin agonist peptide, SEQ ID No 63.
(from "seq4ags.pep")
TOIG Of: adl66183 check: 5894 from: 1 to: 38

4 14:12:16 2005

Fri Feb

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gp/ml is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying,
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66184 Length: 37 February 4, 2005 13:20 Type: P Check: 3293 ound using 'seq4' (mohamed337.key)
 ID No 65
 to: 37
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 64; 173pp; English
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPP
 Exendin agonist peptide, SEQ ID No 65.
 Exendin agonist peptide, SEQ ID No 64
 check: 2854 from: 1
 Location/Qualifiers
 ad166185; Exendin agonist peptide, SEQ (from "seq4ags.pep")
TOIG of: ad166185 check: 2854 from: 1
 ADL66185 standard; peptide; 37 AA
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 1 match found in sequence:
 Sequence 37 AA;
 WO2003099314-A1
 Found using 'seq4'
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66185;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Type: P Check: 2854
tolerance; obesity; hyperglycaemia;
 99
 to: 36
 ADL66185 Length: 37 February 4, 2005 13:20 ound using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166186 ; Exendin agonist peptide, SEQ ID No
 Disclosure; SEQ ID NO 65; 173pp; English.
 HGEGIFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
 Exendin agonist peptide, SEQ ID No 66.
 Location/Qualifiers
37
 from: 1
 Ź
 ADL66186 standard; peptide; 36
 cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 333
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 food intake;
 WPI; 2004-042706/04.
 WO2003099314-A1.
 Sequence 37 AA;
 dyslipidaemia;
 (from "seq4ags.pep
TOIG of: ad166186
 Key
Modified-site
 04-DEC-2003.
inhibiting
 Synthetic.
 ADL66186;
 Found using
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Synthetic

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disesse. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66187 Length: 36 February 4, 2005 13:20 Type: P Check: 9894 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166188; Exendin agonist peptide, SEQ ID No
[from "seq4ags.pep"]
TOIG of: ad166188 check: 7453 from: 1 to:
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 67; 173pp; English.
 |-----HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
 Exendin agonist peptide, SEQ ID No 68.
 Location/Qualifiers
 ADL66188 standard; peptide; 35 AA.
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04
 WO2003099314-A1
 Sequence 36 AA;
 Key
Modified-site
 04-DEC-2003.
 04-DEC-2003.
 Synthetic.
 Young AA,
 ADL66188;
exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ano antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity; hyperglycaemia,
 ADL66186 Length: 36 February 4, 2005 13:20 Type: P Check: 333 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
ad166187; Exendin agonist peptide, SEQ ID No 67.
(from seq4ags.pep")
TOIG of: ad166187 check: 9894 from: 1 to: 36
 /note= "C-terminal amide"
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 66; 173pp; English.
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAP
 Exendin agonist peptide, SEQ ID No 67.
 Location/Qualifiers
36
Location/Qualifiers
 ADL66187 standard; peptide; 36 AA
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 36 AA;
 WO2003099314-A1
Key
Modified-site
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic
 ADL66187;
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BX111X8XEEEEEE

68 35

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predecermined release period. The composition has anticlabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66188 Length: 35 February 4, 2005 13:20 Type: P Check: 7453 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166189; Exendin agonist peptide, SEQ ID No 69.
(from "seq4ags.pep")
TOIG of: ad166189 check: 7014 from: 1 to: 35
 35
/note= "C-terminal amide"
 Disclosure; SEQ ID NO 68; 173pp; English.
 Exendin agonist peptide, SEQ ID No 69
 [-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 Location/Qualifiers
 ADL66189 standard; peptide; 35 AA
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 35 AA;
 WO2003099314-A1
 Key
Modified-site
 34-DEC-2003
 Synthetic.
 ADL66189;
 Young AA,
 PARTY SERVICE STREET SERVICE S
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin agonist peptide in an extended-release formulation.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Type: P Check: 7014
 . match found in sequence:
ad166190; Exemin agonist peptide, SEQ ID No 70.
(from "seq4ags.pep")
TOIG of: ad166190 check: 5178 from: 1 to: 34
 'note= "C-terminal amide"
 ADL66189 Length: 35 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 69; 173pp; English
 Exendin agonist peptide, SEQ ID No 70.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGA
 Location/Qualifiers
 ADL66190 standard; peptide; 34 AA
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WPI; 2004-042706/04.
 WO2003099314-AI.
 Sequence 35 AA;
 Modified-site
 04-DEC-2003.
 foung AA,
 Synthetic.
 ADL66190;
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Fri

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. exendin or an exendin agonist peptide in an extended-release formulation. ADL66190 Length: 34 February 4, 2005 13:20 Type: P Check: 5178 ound using 'seq4' (mohamed337.key) Disclosure; SEQ ID NO 70; 173pp; English. Sequence 34 AA; Found using 'seq4'  $\mathbb{Z}_{XXX}$ 

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSG

ad166191 ; Exendin agonist peptide, SEQ ID No 71. to: 34 check: 4739 from: 1 1 match found in sequence: n "seq4ags.pep") of: adl66191 c

ADL66191 standard; peptide; 34 AA (first entry) 20-MAY-2004 ADL66191; 

Exendin agonist peptide, SEQ ID No 71.

extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular. dyslipidaemia; exendin;

Synthetic.

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended release formulation.

Disclosure; SEQ ID NO 71; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an

exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

8866666666666688888

Sequence 34 AA;

Type: P Check: 4739 ADL66191 Length: 34 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

. match found in sequence: adl66192 ; Exendin agonist peptide, SEQ ID No 72. check: 2764 from: 1 (from "seq4ags.pep" TOIG of: ad166192

20-MAY-2004 (first entry) ADL66192; 

ADL66192 standard; peptide; 33 AA

Exendin agonist peptide, SEQ ID No 72.

ion; plasma level; antidiabetic;
glucose; gastric emptying;
obesity; hyperglycaemia; extended-release formulation; anorectic; antilipaemic; diabetes; inhibiting food intake; tolerance; dyslipidaemia; cardiovascular exendin;

Synthetic

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 72; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25%

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml. is achieved for at least 25¢ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity,
 ģ
 anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
predetermined release period. The composition has antidiabetic,
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Check: 2764
 192 Length: 33 February 4, 2005 13:20 Type: Pusing 'seq4' (mohamed337.key)
 adl66193; Exendin agonist peptide, SEQ ID No 73. (from "seq4age.tpep")
TOIG of: adl66193 check: 2325 from: 1 to: 33
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 73; 173pp; English.
 Exendin agonist peptide, SEQ ID No 73.
 HGEGTFTSDLSKOMBEBAVRLFIEWLKNGGPSS
 Location/Qualifiers
33
 ADL66193 standard; peptide; 33 AA.
 dyslipidaemia, cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 1 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 33 AA;
 Key
Modified-site
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66193;
 exendin;
 ADL66192
 (from '
 Found
 8888888888888
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anonectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 This sequence
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying; inhibiting food intake, tolerance, obesity, hyperglycaemia,
 Type: P Check: 2325
hyperglycaemia, dyslipidaemia or cardiovascular disease. represents an exendin agonist peptide of the invention.
 . match found in sequence:
ad166194; Exemdin agonist peptide, SEQ ID No 74.
(from "seq4ags.pep")
TOIG of: ad166194 check: 25 from: 1 to: 32
 /note= "C-terminal amide"
 Length: 33 February 4, 2005 13:20
3 'seq4' (mohamed337.key)
 Disclosure, SEQ ID NO 74; 173pp; English.
 Exendin agonist peptide, SEQ ID No 74.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
 Location/Qualifiers
 ADL66194 standard; peptide; 32 AA
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1.
 Sequence 33 AA;
 Sequence 32 AA
 Key
Modified-site
 04-DEC-2003.
 Synthetic.
 ADL66194;
 Found using
 ADL66193
 ន្តដូន
```

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ADL66194 Length: 32 February 4, 2005 13:20 Type: P Check: 25 Found using 'seq4' (mohamed337.key)
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```
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPS
```

. match found in sequence:
ad166195; Exemdin agonist peptide, SEQ ID No 75.
(from seq4ags.pep,)
TOIG of: ad166195 check: 9586 from: 1 to: 32

ADL66195 standard; peptide; 32 AA

ADL66195;

(first entry) 20-MAY-2004 Exendin agonist peptide, SEQ ID No 75.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular

Synthetic

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003

28-MAY-2003; 2003WO-US016699

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

WPI; 2004-042706/04.

Young AA, Kolterman OG;

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 75; 173pp; English

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or himbiting food intake, such as impaired glucose tolerance, obsestly, homeoned. hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 

Sequence 32 AA;

2005 13:20 Type: P Check: 9586 ADL66195 Length: 32 February 4, ound using 'seq4' (mohamed337.key) using 'seq4' Found

```
HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPS
```

adl66196 ; Exendin agonist peptide, SEQ ID No 76. 31 check: 7369 from: 1 28 match found in sequence: (from "seq4ags.pep") TOIG of: ad166196 c

ADL66196 standard; peptide; 31 AA

ADL66196;

20-MAY-2004 (first entry)

Exendin agonist peptide, SEQ ID No 76.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic.

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699.

28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG; Young AA,

WPI; 2004-042706/04.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 76; 173pp; English.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. 

Sequence 31 AA;

Type: P Check: 7369 2005 13:20 ADL66196 Length: 31 February 4, ound using 'seq4' (mohamed337.key) Found using

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGP

1 match found in sequence: ad166197 ; Exendin agonist peptide, SEQ ID No 77.

extended-release formulation; plasma level; antidiabetic;

(first entry)

/note= "C-terminal amide"

Location/Qualifiers 30

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Disclosure; SEQ ID NO 78; 173pp; English.
 Exendin agonist peptide, SEQ ID No 78.
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Young AA,
 Synthetic.
 ADL66198;
 exendin;
exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66197 Length: 31 February 4, 2005 13:20 Type: P Check: 6930 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention
 to: 31
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 77; 173pp; English
 Exendin agonist peptide, SEQ ID No 77.
 from: 1
 Location/Qualifiers
 ADL66197 standard; peptide; 31 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 6930
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1.
 (from "seq4ags.pep")
TOIG of: ad166197 c
 Sequence 31 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66197
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Kolterman OG;

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonite peptide of the invention.
 Type: P Check: 4450
 . match found in sequence:
ad166199 ; Exendin agonist peptide, SEQ ID No 79.
 29
 to:
 ADL66198 Length: 30 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 from: 1
 ADL66199 standard; peptide; 29 AA
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGG
 check: 2759
 20-MAY-2004 (first entry)
 (from "seq4ags.pep")
TOIG of: ad166199 c
 Sequence 30 AA;
 ADL66199;
 8×4×4×8
```

Exendin agonist peptide, SEQ ID No 79.

match found in sequence:
ad166198 ; Exendin agonist peptide, SEQ ID No 78.

(from "seq4ags.pei")
TOIG of: ad166198 check: 4450 from: 1 to: 30

ADL66198 standard; peptide; 30 AA

В×

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGP

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 5.5$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The movel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 29 February 4, 2005 13:20 Type: P Check: 2759 (mohamed337.key)
 represents an exendin agonist peptide of the invention
 adl66200; Exendin agonist peptide, SEQ ID No 80. (from "seq4ags.pep")
TOIG of: adl66200 check: 2320 from: 1 to: 29
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 79; 173pp; English.
 Exendin agonist peptide, SEQ ID No 80.
 Location/Qualifiers
29
 ADL66200 standard; peptide; 29 AA
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
 dyslipidaemia, cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 1 match found in sequence:
 ADL66199 Length: 29
 Sequence 29 AA;
 WO2003099314-A1
 Found using 'seq4'
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66200;
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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 4, 2005 13:20 Type: P Check: 2320
 match found in sequence:
adi66201; Exendin agonist peptide, SEQ ID No 81.
(from "seq4ags.pep")
TOIG of: adi66201 check: 7469 from: 1 to: 38
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 80; 173pp; English
 Exendin agonist peptide, SEQ ID No 81.
 Location/Qualifiers
31
 Location/Qualifiers
 ADL66201 standard; peptide; 38 AA.
 HGEGTFTSDLSKQLEBEAVRLFIEFLKNG
1
 ADL66200 Length: 29 February 4, Found using 'seq4' (mohamed337.key)
 dyslipidaemia; cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 29 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003.
 Synthetic.
 Synthetic.
 ADL66201;
 Key
```

38 /note= "C-terminal amide"

Kolterman OG;

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Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 Disclosure; SEQ ID NO 82; 173pp; English
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 WO2003099314-A1
Modified-site
 04-DEC-2003.
 Young AA,
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66201 Length: 38 February 4, 2005 13:20 Type: P Check: 7469 Found using 'seq4' (mohamed337.key)
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; telerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 adl66202; Exendin agonist peptide, SEQ ID No 82. (from "seq4ags.pep")
TOIG of: adl66202 check: 7221 from: 1 to: 38
 /note= "C-terminal amidé"
 Disclosure; SEQ ID NO 81; 173pp; English
 HGEGTFTSDLSKOMEEEAVRLF1EWLKNGGXSSGAXXX
 Exendin agonist peptide, SEQ ID No 82.
 Location/Qualifiers
36. .38
/note= "Thioproline"
 /note= "Thioproline"
 'note= "Thioproline"
 ADL66202 standard; peptide; 38 AA
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 36. .38
 1 match found in sequence:
 WPI; 2004-042706/04.
 Sequence 38 AA;
 WO2003099314-A1
 Key
Modified-site
 Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66202;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25$ of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 Type: P Check: 7221
 1 match found in sequence:
ad166203 ; Exendin agonist peptide, SEQ ID No 83
(from "seq4ags.pep")
TOIG of: ad166203 check: 3541 from: 1 to: 37
 /note= "C-terminal amide"
 ADL66202 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 'note= "N-methylalanine"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAXXX
 Exendin agonist peptide, SEQ ID No 83.
 Location/Qualifiers
 ADL66203 standard; peptide; 37 AA
 dyslipidaemia; cardiovascular
 20-MAY-2004 (first entry)
 Sequence 38 AA;
 Key
Modified-site
 Modified-site
 Synthetic.
 ADL66203;
```

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyelipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66204 Length: 37 February 4, 2005 13:20 Type: P Check: 4125 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adl66205; Exemin agonist peptide, SEQ ID No 85.
(from "seq4ags.pep")
TOIG of: adl66205 check: 4125 from: 1 to: 37
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 84; 173pp; English.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXX
 Exendin agonist peptide, SEQ ID No 85.
 'note= "Homoproline"
 36. .37
/note= "Homoproline"
 Location/Qualifiers
 ADL66205 standard; peptide; 37 AA
 28-MAY-2003; 2003WO-US016699,
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 37 AA;
 Key
Modified-site
 Modified-site
 Modified-site
 Young AA,
 Synthetic.
 ADL66205;
exendin (agonist) peptide in an extended-release formulation. The release period, the period being at least one hour, and in an amount that, when the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66203 Length: 37 February 4, 2005 13:20 Type: P Check: 3541 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166204 ; Exendin agonist peptide, SEQ ID No 84.
 to: 37
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 83; 173pp; English
 'note= "N-methylalanine"
 'note= "N-methylalanine"
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP
 Exendin agonist peptide, SEQ ID No 84.
 check: 4125 from: 1
 Location/Qualifiers
 ADL66204 standard; peptide; 37 AA
 cardiovascular.
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG
 WPI; 2004-042706/04
 (from "seq4ags.pep")
TOIG of: adl66204 o
WO2003099314-A1
 Sequence 37 AA;
 WO2003099314-A1
 dyslipidaemia;
 Modified-site
 Modified-site
 Modified-site
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66204;
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The invention relates to a novel pharmaceutical composition comprising an exemdin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilippemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by the control of the period of the predetermined release period.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 /note= "Homoproline residue with C-terminal amide"
 2005 13:20 Type: P Check: 4125
 1 match found in sequence:
ad166206; Exendin agonist peptide, SEQ ID No 86.
(from "seq43gs.pep")
TOIG Of: ad166206 check: 869 from: 1 to: 36
 Disclosure; SEQ ID NO 85; 173pp; English
 |-----|
HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGXSSGAXX
 Exendin agonist peptide, SEQ ID No 86.
 'note= "Homoproline'
 Location/Qualifiers
 ADL66206 standard; peptide; 36 AA.
 ADL66205 Length: 37 February 4, Found using 'seq4' (mohamed337.key)
 dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 37 AA;
 Key
Modified-site
 Modified-site
 20-MAY-2004
04-DEC-2003
 04-DEC-2003
 Synthetic.
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anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic,
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying; inhibiting food intake, tolerance, obesity, hyperglycaemia,
 Type: P Check: 869
 ad166207 ; Exendin agonist peptide, SEQ ID No 87.
 35
 ADL66206 Length: 36 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 ;
to
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 86; 173pp; English
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAX
 Exendin agonist peptide, SEQ ID No 87.
 check: 7463 from: 1
 Location/Qualifiers
 ADL66207 standard; peptide; 35 AA
 dyslipidaemia; cardiovascular
28-MAY-2002; 2002US-00157224.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 match found in sequence:
 WPI; 2004-042706/04
 WO2003099314-A1
 Sequence 36 AA;
 (from "seq4ags.pep'
TOIG of: ad166207
 Key
Modified-site
 04-DEC-2003
 Young AA,
 Synthetic
 ADL66207;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in a mount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Pharmaceutical composition for treating diabetes, impaired glucose
 ADL66207 Length: 35 February 4, 2005 13:20 Type: P Check: 7463 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention.
 1 match found in sequence:
ad166208; Exendin agonist peptide, SEQ ID No 88.
(from "seq4ags.pep")
TOIG of: ad166208 check: 4886 from: 1 to: 30
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 87; 173pp; English
 Exendin agonist peptide, SEQ ID No 88.
 RGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 Location/Qualifiers 30
 ADL66208 standard; peptide; 30 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
Kolterman OG;
 WPI; 2004-042706/04
 WPI; 2004-042706/04
 Sequence 35 AA;
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 foung AA,
 ADL66208;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 g of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by are useful.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin or an exendin agoniat peptide in an extended-release formulation.
tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 ADL66208 Length: 30 February 4, 2005 13:20 Type: P Check: 4886 Found using 'seq4' (mohamed337.key)
 l match found in sequence:
ad166209; Exendin agonist peptide, SEQ ID No 89.
(from "seq4ags.pep")
TOIG of: ad166209 check: 369 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 88; 173pp; English.
 /note= "Naphthylalanine"
 Exendin agonist peptide, SEQ ID No 89.
 Location/Qualifiers
 ADL66209 standard; peptide; 28 AA
 |-----|
HGDGTFTSDLSKQMEEEAVRLFIEWLKNGG
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 ġ
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 30 AA;
 Key
Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66209;
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8888888888888
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 g of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Check: 369
 represents an exendin agonist peptide of the invention
 ADL66209 Length: 28 February 4, 2005 13:20 Type: P Found using 'seq4' (mohamed337.key)
 ad166210 ; Exendin agonist peptide, SEQ ID No 90
 /note= "C-terminal amide"
Disclosure; SEQ ID NO 89; 173pp; English.
 Exendin agonist peptide, SEQ ID No 90.
 Location/Qualifiers
 check: 693 from: 1
 ADL66210 standard; peptide; 28 AA
 HGEGTXTSDLSKQLEEEAVRLFIEFLKN
1
 dyslipidaemia; cardiovascular.
 28-MAY-2002; 2002US-00157224
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 match found in sequence:
 WPI; 2004-042706/04.
 (from "seq4ags.pep"
TOIG of: ad166210
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66210;
```

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined

Disclosure; SEQ ID NO 90; 173pp; English.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 gydm is achieved for at least 2s* of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method
release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Check: 693
 Type: P
 1 match found in sequence:
adi66211 ; Exendin agonist peptide, SEQ ID No 91.
 to: 28
 'note= "C-terminal amide"
 February 4, 2005 13:20
 Disclosure; SEQ ID NO 91; 173pp; English
 Exendin agonist peptide, SEQ ID No 91.
 Location/Qualifiers
 from: 1
 ADL66211 standard; peptide; 28 AA
 |-----|
HGEGTFSSDLSKQMEEEAVRLFIEWLKN
1
 ADL66210 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 dyslipidaemia; cardiovascular.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (from "seq4ags.pep")
TOIG of: ad166211 check: 701
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1.
 Sequence 28 AA;
 Key
Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66211;
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Sequence 28 AA;

ХS

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impairted glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 Length: 28 February 4, 2005 13:20 Type: P Check: 701
, 'seq4' (mohámed337.key)
 match found in sequence:
ad166212 ; Exendin agonist peptide, SEQ ID No 92.
 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 92; 173pp; English
 Exendin agonist peptide, SEQ ID No 92
 Location/Qualifiers
 check: 649 from: 1
 ADL66212 standard; peptide; 28 AA.
 HGEGTFSTDLSKQMEBEAVRLFIEWLKN
 cardiovascular.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 (from "seq4ags.pep"
TOIG of: ad166212
 WO2003099314-A1
 Sequence 28 AA;
 dyslipidaemia;
 Modified-site
 Found using 'seq4'
 20-MAY-2004
 04-DEC-2003
 Synthetic.
 ADL66211
88888888
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```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastic emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
Type: P Check: 649
 L match found in sequence:
ad166213; Exendin agonist peptide, SEQ ID No 93.
(from seq44ags.pep)
TOIG of: ad166213 check: 381 from: 1 to: 28
ADL66212 Length: 28 February 4, 2005 13:20 ound using 'seq4' (mohamed337.key)
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 93; 173pp; English
 /note= "Pentylglycine"
 Exendin agonist peptide, SEQ ID No 93.
 Location/Qualifiers
 ADL66213 standard; peptide; 28 AA
 HGEGTFTSELSKOMAEBAVRLFIEWLKN
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Found using 'seq4'
 Modified-site
 Modified-site
 04-DEC-2003.
 Synthetic.
 ADL66213;
```

Sequence 28 AA

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
ADL66213 Length: 28 February 4, 2005 13:20 Type: P Check: 381 ound using 'seq4' (mohamed337.key)
 adl66214; Exendin agonist peptide, SEQ ID No 94. (from "seq4ags.pep")
TOIG of: adl66214 check: 657 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 94; 173pp; English
 note= "Naphthylalanine"
 Exendin agonist peptide, SEQ ID No 94.
 Location/Qualifiers
 ADL66214 standard; peptide; 28 AA
 HGEGTFTSDXSKQLEEEAVRLFIEFLKN
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 1 match found in sequence:
 WPI; 2004-042706/04.
 WO2003099314-A1
 Found using 'seq4'
 Key
Modified-site
 Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66214;
```

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;

dyslipidaemia; cardiovascular

Synthetic.

Exendin agonist peptide, SEQ ID No 95.

20-MAY-2004 (first entry)

ADL66215;

adl66215; Exendin agonist peptide, SEQ ID No 95. (from "seq4ags.pep")
TOIG of: adl66215 check: 1045 from: 1 to: 28

1 match found in sequence:

HGEGTFTSDLSKQLEEEAVRLXIEFLKN

ADL66215 standard; peptide; 28 AA

/note= "Tertiary-butylglycine"

Location/Qualifiers

Modified-site Modified-site

"C-terminal amide"

/note=

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224.

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Sequence 28 AA; 

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 95; 173pp; English

February 4, 2005 13:20 Type: P Check: 1045 ADL66215 Length: 28 February 4, Found using 'seq4' (mohamed337.key)

lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

ADL66214 Length: 28 February 4, 2005 13:20 Type: P Check: 657 Found using 'seq4' (mohamed337.key)

Sequence 28 AA;

HGEGTFTSDLSKOMBEBAVRLFXEWLKN 1

to: 33

from: 1

TOIG of: adl66217 check: 2215

ADL66217 standard; peptide; 33 AA.

exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.

Exendin agonist peptide, SEQ ID No 97.

20-MAY-2004 (first entry)

ADL66217;

/note= "C-terminal amide"

WO2003099314-A1

04-DEC-2003.

28-MAY-2003; 2003WO-US016699. 28-MAY-2002; 2002US-00157224

(AMYL-) AMYLIN PHARM INC.

Kolterman OG;

Young AA,

WPI; 2004-042706/04.

Location/Qualifiers

Key Modified-site

Synthetic.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 2005 13:20 Type: P Check: 237
l match found in sequence:
ad166216; Exendin agonist peptide, SEQ ID No 96.
(from "seq4ags.pep")
TOIG of: ad166216 check: 237 from: 1 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 96; 173pp; English
 Exendin agonist peptide, SEQ ID No 96.
 Location/Qualifiers
28
 ADL66216 standard; peptide; 28 AA
 ADL66216 Length: 28 February 4, Found using 'seq4' (mohamed337.key)
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 28 AA;
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66216;
```

```
ADL66217 Length: 33 February 4, 2005 13:20 Type: P Check: 2215 Found using 'seq4' (mohamed337.key)
 i match found in sequence:
adi66218; Exendin agonist peptide, SEQ ID No 98.
(from "seq4ags.pep")
TOIG of: adl66218 check: 2649 from: 1 to: 29
 HGEGTFTSDASKOLEEEAVRLFIEFLKNGGPSS
 ADL66218 standard; peptide; 29 AA
Sequence 33 AA;
 SXR
```

ADL66218;

1 match found in sequence:
ad166217 ; Exendin agonist peptide, SEQ ID No 97.
(from "seq4ags.pep")

**HGEGTFTSDLSKQLEEEAVRLFIDFLKN** 

formulation is capable of releasing the peptide over a predetermined formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anometric, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyalipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.

invention relates to a novel pharmaceutical composition comprising an

Disclosure; SEQ ID NO 97; 173pp; English.

Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

seq4 ags.res

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exendin, extended-release formulation, plasma level, antidiabetic, anorectic, antilipaemic, diabetes, glucose, gastric emptying, inhibiting food intake, tolerance, obesity, hyperglycaemia,
 WPI; 2004-042706/04.
 (from "seq4ags.pep")
TOIG of: adl66221 c
 WO2003099314-A1
 Sequence 37 AA
 Key
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66221;
 exendin (agonist) peptide in an extended release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 invention relates to a novel pharmaceutical composition comprising an
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; antilipaemic; diabetes; glucose; gastric emprying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66218 Length: 29 February 4, 2005 13:20 Type: P Check: 2649 Found using 'seq4' (mohamed337.key)
 match found in sequence:
ad166219 ; Exendin agonist peptide, SEQ ID No 99.
 37
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 98; 173pp; English
 Exendin agonist peptide, SEQ ID No 98.
 Exendin agonist peptide, SEQ ID No 99.
 from: 1
 Location/Qualifiers
29
 ADL66219 standard; peptide; 37 AA.
 |-----HGEGTFTSDASKQMEEEAVRLFIEWLKNG 28
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 check: 4015
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 29 AA;
 "seq4ags.pep"
f: adl66219
 Key
Modified-site
 20-MAY-2004
 20-MAY-2004
 04-DEC-2003
 Synthetic
 Young AA,
 ADL66219
 of:
 from
```

XBXBXBX

```
The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impatred glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 Type: P Check: 4015
 match found in sequence:
ad166221 ; Exendin agonist peptide, SEQ ID No 101.
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 99; 173pp; English.
 ADL66219 Length: 37 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 |-----|
HGEGTFTSDASKQMEBEAVRLFIEWLKNGGXSSGAXX
 Exendin agonist peptide, SEQ ID No 101
 36. .37
/note= "Homoproline"
 /note= "Homoproline"
 Location/Qualifiers
 check: 249 from: 1
 ADL66221 standard; peptide; 28 AA
dyslipidaemia; cardiovascular
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman OG;
```

/note= "C-terminal amide"

Kolterman OG;

Location/Qualifiers 28

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 ADL66225 Length: 28 February 4, 2005 13:20 Type: P Check: 688 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 105; 173pp; English.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-042706/04.
 Sequence 28 AA;
 WO2003099314-A1
 Key
Modified-site
 04-DEC-2003.
 Young AA,
 The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 February 4, 2005 13:20 Type: P Check: 249
 ad166225; Exendin agonist peptide, SEQ ID No 105
 to: 28
 /note= "C-terminal amide"
 Disclosure; SEQ ID NO 101; 173pp; English
 Exendin agonist peptide, SEQ ID No 105.
 Location/Qualifiers
 check: 688 from: 1
 ADL66225 standard; peptide; 28 AA.
 HGAGTFTSDLSKQLEEEAVRLFIEFLKN
1
 ADL66221 Length: 28 February 4,
Found using 'seq4' (mohamed337.key)
 dyslipidaemia; cardiovascular
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young AA, Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
 (from "seq4ags.pep")
TOIG of: ad166225 (
 WO2003099314-A1
 Sequence 28 AA;
 Modified-site
 04-DEC-2003
 Synthetic
 Synthetic
 ADL66225;
```

```
exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ad166228 ; Exendin agonist peptide, SEQ ID No 108
 to: 28
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 108.
 Location/Qualifiers
 from: 1
 Ź
 ADL66228 standard; peptide; 28
HGAGTFTSDLSKQMEEEAVRLFIEWLKN
 check: 590
 (first entry)
 1 match found in sequence:
 (from "seq4ags.pep")
TOIG of: ad166228 c
 Key
Modified-site
 20-MAY-2004
 Synthetic
 ADL66228;
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
 exendin; extended-release formulation; plasma level; antidiabetic;
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 ADL66228 Length: 28 February 4, 2005 13:20 Type: P Check: 590 ound using 'seq4' (mohamed337.key)
 match found in sequence:
ad166288 ; Exendin agonist peptide, SEQ ID No 168.
(from "seq4ags.pep")
(TOO of: ad166288 check: 5882 from: 1 to: 38
 Disclosure; SEQ ID NO 108; 173pp; English
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 168
 Location/Qualifiers
38
 ADL66288 standard; peptide; 38 AA
 HGEGTFTSDASKOMEEBAVRLFIEWLKN
1
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC
 Kolterman OG;
 WPI; 2004-042706/04.
 WO2003099314-A1
WO2003099314-A1
 Sequence 28 AA;
 Found using 'seq4'
 Modified-site
 04-DEC-2003
 04-DEC-2003
 Synthetic.
 Young AA,
 ADL66288
 EXEXEXE X LITEX SX K K K K X EX L X Y X Y X L
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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predecermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predecermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperelycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention. Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; Type: P Check: 5882 . match found in sequence: adl66293; Exendin agonist peptide, SEQ ID No 173. (from "seq4as.pep")
TOIG of: adl66293 check: 7002 from: 1 to: 35 Disclosure; SEQ ID NO 168; 173pp; English ADL66288 Length: 38 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key) /note= "C-terminal amide" HGAGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPP Exendin agonist peptide, SEQ ID No 173. Location/Qualifiers ADL66293 standard; peptide; 35 AA dyslipidaemia; cardiovascular. 28-MAY-2002; 2002US-00157224. 28-MAY-2003; 2003WO-US016699 28-MAY-2002; 2002US-00157224. 20-MAY-2004 (first entry) (AMYL-) AMYLIN PHARM INC. (AMYL-) AMYLIN PHARM INC. Young AA, Kolterman OG; WPI; 2004-042706/04. WO2003099314-A1 Sequence 38 AA; Key Modified-site 04-DEC-2003. Synthetic. ADL66293; 

tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.

Disclosure; SEQ ID NO 177; 173pp; English.

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia;
 ADL66293 Length: 35 February 4, 2005 13:20 Type: P Check: 7002 Found using 'seq4' (mohamed337.key)
 represents an exendin agonist peptide of the invention.
 1 match found in sequence:

diffector is Exemin agonist peptide, SEQ ID No 177.

(from "seques.pep")

TOIG of: adl66297 check: 9574 from: 1 to: 32
 Disclosure; SEQ ID NO 173; 173pp; English
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 177.
 HGAGTFTSDLSKQLEEEAVRLFIBFLKNGGPSSGA
 Location/Qualifiers
 ADL66297 standard; peptide; 32 AA
 dyslipidaemia; cardiovascular.
 28-MAY-2002; 2002US-00157224.
 28-MAY-2003; 2003WO-US016699
 (first entry)
 Kolterman OG;
 WPI; 2004-042706/04.
 Sequence 35 AA;
 WO2003099314-A1
 Key
Modified-site
 20-MAY-2004
 04-DEC-2003.
 Young AA,
 Synthetic
 ADL66297;
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Pharmaceutical composition for treating diabetes, impaired glucose

(AMYL-) AMYLIN PHARM INC.

Young AA, Kolterman OG;

WPI; 2004-042706/04

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an
 lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic;
 ADL66297 Length: 32 February 4, 2005 13:20 Type: P Check: 9574 Found using 'seq4' (mohamed337.key)
 anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 . match found in sequence:
ad166301; Exendin agonist peptide, SEQ ID No 181.
(from "seq4agas.pep")
(TOIG of: ad166301 check: 7457 from: 1 to: 38
 /note= "C-terminal amide"
 Exendin agonist peptide, SEQ ID No 181
 /note= "Thioproline"
 /note= "Thioproline"
 Location/Qualifiers
 HGAGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
 ADL66301 standard; peptide; 38 AA
 28-MAY-2003; 2003WO-US016699
 28-MAY-2002; 2002US-00157224
 20-MAY-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Kolterman
 WPI; 2004-042706/04.
 WO2003099314-A1
 Sequence 32 AA;
 Key
Modified-site
 Modified-site
 Modified-site
 04-DEC-2003.
 Young AA,
 Synthetic.
 ADL66301;
 ADL66297
```

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The invention relates to a novel pharmaceutical composition comprising an exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25 g of the predetermined release period. The composition has antidiabetic, anorectic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by
 Pharmaceutical composition for treating diabetes, impaired glucose tolerance, obesity, dyslipidemia or cardiovascular disease comprises an exendin or an exendin agonist peptide in an extended-release formulation
an exendin agonist peptide in an extended-release formulation
 lowering plasma glucoëe or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 exendin; extended-release formulation; plasma level; antidiabetic; anorectic; antilipaemic; diabetes; glucose; gastric emptying; inhibiting food intake; tolerance; obesity; hyperglycaemia; dyslipidaemia; cardiovascular.
 Check: 7457
 Type: P
 ad166305; Exendin agonist peptide, SEQ ID No 185.
(from "seq4ags.pep")
TOIG of: ad166305 check: 7441 from: 1 to: 35
 Disclosure; SEQ ID NO 181; 173pp; English.
 2005 13:20
 35
/note= "C-terminal amide"
 Disclosure; SEQ ID NO 185; 173pp; English
 HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAXXX
 Exendin agonist peptide, SEQ ID No 185.
 Location/Qualifiers
 ADL66305 standard; peptide; 35'AA
 ADL66301 Length: 38 February 4, Found using 'seq4' (mohamed337.key)
 28-MAY-2003; 2003WO-US016699.
 28-MAY-2002; 2002US-00157224.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 foung AA, Kolterman OG;
 WPI; 2004-042706/04.
 match found in sequence:
 WO2003099314-A1
 Sequence 38 AA;
 Modified-site
 20-MAY-2004
 04-DEC-2003
 ö
 Synthetic.
 ADL66305;
 exendin
```

an

The invention relates to a novel pharmaceutical composition comprising

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exendin (agonist) peptide in an extended-release formulation. The formulation is capable of releasing the peptide over a predetermined release period, the period being at least one hour, and in an amount such that, when the composition is administered to a human, an average sustained plasma level of at least 5 pg/ml is achieved for at least 25% of the predetermined release period. The composition has antidiabetic, ancetic, and antilipaemic activities. The novel composition and method are useful in treating diabetes and conditions that would be benefited by lowering plasma glucose or delaying and/or slowing gastric emptying or inhibiting food intake, such as impaired glucose tolerance, obesity, hyperglycaemia, dyslipidaemia or cardiovascular disease. This sequence represents an exendin agonist peptide of the invention.
 Harvesting a desired polypeptide produced by a recombinant host cell, for producing pharmaceuticals, comprises selecting a recombinant nucleic acid comprising nucleic acid fragments encoding a leader peptide and the
 /note= "This residue forms a thioether bond with residue 32 to form a lanthionine ring"
 /note= "This residue forms a thioether bond with residue
 The invention relates to a novel method for harvesting a (poly) peptide
 harvesting; recombinant; host cell; N-terminal leader peptide; pre-peptide; lantibiotic; post-translational modification; pharmaceuticals; vaccine; immunogenic.
 ADL66305 Length: 35 February 4, 2005 13:20 Type: P Check: 7441 Found using 'seq4' (mohamed337.key)
 Driessen AJM;
 35 to form a lanthionine ring"
 39
 t0:
 HGAGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 Kuipers OP,
 check: 9661 from: 1
 Location/Qualifiers
 ADL92031 standard; peptide; 39 AA
 Claim 4; Page 49; 109pp; English.
 (NANO-) APPLIED NANOSYSTEMS BV
 match found in sequence:
ad192031 ; Exendin-3 C35-sequence.
(from "seq4ags.pep")
TOIG of: ad192031 check: 9661 f:
 24-MAY-2002; 2002EP-00077060.
07-FEB-2003; 2003US-00360101.
 26-MAY-2003; 2003WO-NL000389.
 20-MAY-2004 (first entry)
 Moll GN, Leenhouts CJ,
 Exendin-3 C35-sequence
 WPI; 2004-042770/04.
 WO2003099862-A1.
 Sequence 35 AA;
 Key
Modified-site
 Modified-site
 Unidentified
 04-DEC-2003.
 comprising r
polypeptide.
 ADL92031;
 888888888888888
```

seq4\_ags.res

```
produced by a recombinant host cell. The novel method involves selecting a call comprising a first nucleic acid encoding a leader peptide and a second nucleic acid fragment encoding the desired (poly)peptide. The first and second fragments are within the same open reading frame of the first nucleic acid and the leader peptide is functionally equivalent to an N-terminal leader peptide found with the pre-peptide of a lantibocic. The host cells and nucleic acids are useful for producing, harvesting and post-translational modification of polypeptides. The polypeptides may be immunogenic composition. This sequence represents a polypeptide relating to the novel method of the invention.
 88888888888888888
```

Sequence 39 AA;

ADL92031 Length: 39 February 4, 2005 13:20 Type: P Check: 9661 Found using 'seq4' (mohamed337.key) HSDGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGCPPPS

to: 64 check: 7609 from: 1 ad192153; Exendin-4 protein sequence. (from "seq4ags.pep")
TOIG of: ad192153 check: 7609 from:

ADL92153 standard; protein; 64 AA ADL92153;

Exendin-4 protein sequence. (first entry) 20-MAY-2004 

harvesting; recombinant; host cell; N-terminal leader peptide; pre-peptide; lantibiotic; post-translational modification; pharmaceuticals; vaccine; immunogenic.

Unidentified

WO2003099862-A1

04-DEC-2003

26-MAY-2003; 2003WO-NL000389.

24-MAY-2002; 2002EP-00077060. 07-FEB-2003; 2003US-00360101.

(NANO-) APPLIED NANOSYSTEMS BV

Driessen AJM; Kuipers OP, Leenhouts CJ, Moll GN,

WPI; 2004-042770/04.

Harvesting a desired polypeptide produced by a recombinant host cell, for producing pharmaceuticals, comprises selecting a recombinant nucleic acid comprising nucleic acid fragments encoding a leader peptide and the polypeptide.

Claim 4; Page 68; 109pp; English.

The invention relates to a novel method for harvesting a (poly)peptide produced by a recombinant host cell. The novel method involves selecting a cell comprising a first nucleic acid encoding a leader peptide and a second nucleic acid fragment encoding the desired (poly)peptide. The first and second fragments are within the same open reading frame of the first nucleic acid and the leader peptide is functionally equivalent to an N-terminal leader peptide found with the pre-peptide of a lantibiotic. The host cells and nucleic acids acids acids acids acids acids acids and post-translational modification of polypeptides. The polypeptides may be used in the production of pharmaceuticals, e.g. as antigen for vaccine or

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immunogenic composition. This sequence represents a polypeptide relating to the novel method of the invention.
 ន្តដូន
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Sequence 64 AA;

Type: P Check: 7609 ADL92153 Length: 64 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key) MPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP

PPSG

61

adm41356; Extendin 4, glucagon-like peptide 1 receptor agonist (antidiabetic) (from "seq4ags.pep")
TOIG of: adm41356 check: 9570 from: 1 to: 39 1 match found in sequence:

ADM41356 standard; peptide; 39 AA.

ADM41356;

(first entry) 03-JUN-2004

Extendin 4, glucagon-like peptide 1 receptor agonist (antidiabetic)

Glucagon-like peptide 1; GLP-1; human; receptor; agonist; antidiabetic; immunosuppressive; anorectic; antiarteriosclerotic; hypotensive; antilipaemic; extendin-4.

Homo sapiens

/note= "C-terminal amide" Location/Qualifiers Key Modified-site

WO2004022004-A2

18-MAR-2004.

04-SEP-2003; 2003WO-US028093.

06-SEP-2002; 2002US-0408696P. 

(FARB ) BAYER PHARM CORP.

Pan C, Whelan JP;

WPI; 2004-282764/26.

Novel glucagon-like peptide-1 receptor agonist or modified GLP-1 receptor agonist, useful for treating diabetes, impaired glucose tolerance, metabolic syndrome or pre-diabetic state.

Example 1; SEQ ID NO 3; 56pp; English.

The present sequence is that of extendin 4, an example of a glucagon-like peptide 1 (GLP-1) receptor agonist. Modified GLP-1 receptor agonists of the invention comprise a GLP-1 receptor agonist such as the present peptide linked to a polyethylene glycol polymer having a molecular weight of greater than 30 kDa. The modified GLP-1 receptor agonists are useful for treating type 1 diabetes, type 2 diabetes, maturity onset diabetes of the young, latent autoimmune diabetes adult, gestational diabetes and Syndrome X (all claimed). They can also be used to treat hyperglycaemia, impaired glucose tolerance, impaired fasting glucose and obesity caused by inducing glucose-dependent insulin secretion. They may also be effective in the treatment of obesity, atherosclerotic disease, hyperlipideemia, hypertholesterolaemia, low high density lipoprotein levels, hypertension, cardiovascular disease (including atherosclerosis, coronary heart disease and hypertension), cerebrovascular disease,

seq4\_ags.res

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peripheral vessel disease, physiological disorders and the secondary causes of diabetes. The modified GLP-1 receptor agonists can be prepared by synthetic or recombinant methods. They induce glucose-dependent insulin secretion without reducing gastrointestinal motility, thereby lessening the gastrointestinal side-effects associated with previous GLP-1 receptor agonists.
 8$$$$$$$$$$
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Sequence 39 AA;

ADM41356 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 ound using 'seq4' (mohamed337.key) Found using 'seq4'

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence:
admil384 ; Exendin-4, glucagon-like peptide 1 receptor agonist (antidiabetic)
(from "seq4ags.pep")
TOIG of: admil384 check: 2250 from: 1 to: 40

ADM41384 standard; peptide; 40 AA

ADM41384;

(first entry) 03-JUN-2004

Exendin-4, glucagon-like peptide 1 receptor agonist (antidiabetic)

Glucagon-like peptide 1; GLP-1; human; receptor; agonist; antidiabetic; immunosuppressive; anorectic; antiarteriosclerotic; hypotensive; antilipaemic; excendin-4.

Homo sapiens

/note= "PEGylated amino acid residue" Location/Qualifiers Key Modified-site

WO2004022004-A2

18-MAR-2004

04-SEP-2003; 2003WO-US028093

06-SEP-2002; 2002US-0408696P.

(FARB ) BAYER PHARM CORP.

Whelan JP; Pan C, WPI; 2004-282764/26.

Novel glucagon-like peptide-1 receptor agonist or modified GLP-1 receptor agonist, useful for treating diabetes, impaired glucose tolerance, metabolic syndrome or pre-diabetic state.

Claim 1; SEQ ID NO 31; 56pp; English.

The present sequence is that of an exendin-4 peptide modified to include a PEGylated C-terminal Cys residue. This is an example of a modified glucagon-like peptide I (GLP-1) receptor agonist of the invention comprising a GLP-1 receptor agonist peptide linked to a polyethylene glycol (PEG) polymer having a molecular weight of greater than 30 kDa. wooffied GLP-1 receptor agonists are useful for treating type I diabetes, type 2 diabetes, maturity onset diabetes of the young, latent autoimmune diabetes adult, gestational diabetes and Syndrome X (all claimed). They can also be used to treat hyperglycaemia, impaired glucose tolerance, impaired fasting glucose and obseity caused by inducing glucose-dependent insulin secretion. They may also be effective in the treatment of obesity, atherosclerotic disease, hyperlipidaemia, hypercholesterolaemia, 

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cardiovascular disease
low high density lipoprotein levels, hypertension, cardiovascular disea (including atherosclerosis, coronary heart disease and hypertension), cerebrovascular disease, peripheral vessel disease, physiological disorders and the secondary causes of diabetes. The modified GIP-1 receptor agonists can be prepared by synthetic or recombinant methods. They induce glucose-dependent insulin secretion without reducing gastrointestinal motility, thereby lessening the gastrointestinal side-effects associated with previous GIP-1 receptor agonists.
 888888888
```

Sequence 40 AA;

Type: P Check: 2250 ADM41384 Length: 40 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPSC

```
adn16852 ; Fermentation-derived product exendin-4 analogue ZP10 peptide.
1 match found in sequence:
```

to: 44 (from "seq4ags.pep") TOIG of: adn16852 check: 5122 from: 1

ADN16852 standard; peptide; 44 AA

ADN16852;

01-JUL-2004 (first entry)

Fermentation-derived product exendin-4 analogue ZP10 peptide.

fermentation-derived product; microfiltration; fermentation broth; exendin-4 analogue; ZP10 peptide.

Unidentified

/note= "C-terminal amide" Location/Qualifiers Misc-difference

WO2004029076-A2

08-APR-2004.

25-SEP-2003; 2003WO-DK000627 25-SEP-2002; 2002DK-00001422 

(NOVO ) NOVO NORDISK AS.

Nielsen TK; Christensen LH,

WPI; 2004-375439/35.

Purifying fermentation-derived product such as interleukins, insulin, albumin, involves microfiltration of fermentation broth containing fermentation-derived product at specific microfiltration temperature and isolating final product

Claim 25; Page 17; 20pp; English.

This invention relates to a novel method of purifying a fermentation-derived product, which involves microfiltration of a fermentation broth containing the fermentation-derived product at a microfiltration temperature within the range from 66-90 degrees C and isolating the final product. The method of the invention is efficient in purifying a fermentation-derived product with an improved microfiltration process comprising elevated temperatures. The present sequence is that of an exendin-4 analogue ZP10 peptide which is a fermentation-derived product to which the method of the invention may be applied.

Sequence 44 AA;

to: 39

from: 1

TOIG of: ado58913 check: 9570

ADO58913 standard; peptide; 39 AA

29-JUL-2004 (first entry)

ADO58913;

Extendin-4 peptide.

neurodegenerative disorder; seizūrēs; stroke; brain ischāemia; epilepsy; parkinson; disease; Alzheimer, a disease; Huntington; a disease; ALS; blood glucose; glucose-metabolism disorder; obesity; diabetes; anorexia nervosa; hypercholesterolaemia; atherosclerosis; extendin-4.

neurological disorder; Gilatide peptide; memory disorder;

```
This invention relates to a novel method of preventing and/or delaying diabetes in a subject in need, which involves administering to the subject an effective amount of a compound that increases beta-cell proliferation and/or reduces beta-cell apoptosis in the subject. The invention may be useful for the production of compounds with an antidiabetic or immunosuppressive activity by increasing expression of protein kinase (Aktl and/or p44MAPK) in the beta-cells and decreasing caspase-3 activation. The method is useful for preventing and/or delaying diabetes in a subject. The present sequence is that of a human exendin-4 peptide which is related to the method of the invention.
 liabetes; beta-cell proliferation; beta-cell apoptosis; antidiabetic; mmunosuppressive; protein kinase; Akt1; p44MAPK; caspase-3; exendin-4;
 Preventing and/or delaying diabetes in a subject in need, involves administering to subject a compound that increases beta-cell proliferation and/or reduces beta cell apoptosis in subject.
 :
44 February 4, 2005 13:20 Type: P Check: 5122 (mohamed337.key)
 Check: 9570
 match found in sequence:
ado55979 ; Human exendin-4 peptide related to diabetes treatment.
 Human exendin-4 peptide related to diabetes treatment
 Type: P
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPSKKKKKK
 to: 39
 ADO55979 Length: 39 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)
 Disclosure; SEQ ID NO 2; 43pp; English
 check: 9570 from: 1
 ADO55979 standard; peptide; 39 AA.
 21-JUN-2002; 2002CA-02389462
 21-JUN-2002; 2002US-0011111
 (first entry)
 Brubaker PL;
 (WANG/) WANG Q Q.
(BRUB/) BRUBAKER P L.
 WPI; 2004-099536/11.
 ADN16852 Length: 44
Found using 'seq4' (mc
 (from "seq4ags.pep")
TOIG of: ado55979 c
 Sequence 39 AA;
 Homo sapiens.
 CA2389462-A1
 15-JUL-2004
 21-DEC-2003
 diabetes;
 ADO55979;
 Wang 00,
 human.
```

Ameliorating a neurological disorder, e.g. stroke, Parkinson's disease, Alzheimer's disease or Huntington's disease, comprises administering Gilatide peptide.

(UYJE-) UNIV JEFFERSON THOMAS.

24-AUG-2001; 2001US-00939472. 01-APR-2002; 2002US-0369249P.

01-APR-2003; 2003US-00405090. 24-AUG-2000; 2000US-0227631P.

US2004092432-A1.

Synthetic

13-MAY-2004

ä

Haile CN,

During MJ,

WPI; 2004-374977/35.

Disclosure; Page 12; 67pp; English.

The invention relates to a method of ameliorating a neurological disorder is in a subject, which comprises administering a therapeutical amount of a dilatide peptide or its functional analogue, where the administration of the Gilatide peptide or its functional analogue, where the administration of the Gilatide peptide or its functional analogue inhibits or delays the conset of the neurological disorder. Also described is the Gilatide of conset of amenoding nucleic acid. The methods, composition, the nucleic acid and the encoded peptide are useful in preventing or delaying the conset of a memory disorder and in treating a neurological disorder, i.e. or a neurodegenerative disorder, e.g. seizures, strokes, brain ischaemia or cypilepsy. Other diseases include Parkinson's disease, Alrheimer's chiesase, Huntington's disease or ALS. The peptides are also useful in modulating blood glucose and in preventing and treating glucose. Companial and in preventing and treating glucose. Companial disorders, e.g., obesity, diabetes, anorexia nervosa, chypercholesterolaemia or atherosclerosis. The present sequence represents or extendin-4 peptide used as a Gilatide peptide of the invention. ADO58913 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key) **HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS** Sequence 39 AA; 

match found in sequence:
adp20988; Gilla monster lizard venom isolated 39 amino acid exendin-4 peptide.
(from "seq4ags.pep")
TOIG of: adp20988 check: 9570 from: 1 to: 39

|-----| HGEGTPTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS

1 match found in sequence: ado58913 ; Extendin-4 peptide. (from "seq4ags.pep")

ADP20988 standard; peptide; 39 AA. 品菜 seq4\_ags.res

ADP20988;

(first entry) 09-SEP-2004 Gila monster lizard venom isolated 39 amino acid exendin-4 peptide.

diabetes; exendin-4; thiazolidinedione; insulin sensitizer; antidiabetic; maturity onset; polycystic ovarian syndrome; gestational; obesity; dyslipidaemia; hypertniglyceridaemia; hypertniglyceridaemia; hypertniglyceridaemia; hypertniglyceridaemia; hypertniglyceridaemia; hypertniglyceridaemia; hypertniglyceridaemia; hypertniglyceridaemia; hypertnigly; hypertnigly; and disease; diabetic retinopathy; background retinopathy; proliferative retinopathy; diabetic nephropathy; neuropathy; beta-cell; venom; Gila monster lizard; immunosuppressive; cytostatic; anorectic; antilipaemic; hypotensive; antiarteriosclerotic; ophthalmological; nephrotropic; neuroprotective; type 1 diabetes; type 2; hyperglycaemia; latent autoimmune; GLP-1 receptor agonist.

Heloderma suspectum

WO2004050115-A2.

17-JUN-2004

01-DEC-2003; 2003WO-DK000824.

03-DEC-2002; 2002DK-00001864. 09-DEC-2002; 2002US-0431999P.

(NOVO ) NOVO NORDISK AS

Knudsen LB;

WPI; 2004-480530/45.

Treating or preventing diabetes or diabetes-related disease by administering exendin-4 compound and thiazolidinedione insulin sensitizer to patient.

Claim 7; SEQ ID NO 1; 31pp; English

The invention relates to a novel method for treating or preventing clabetes or a diabetes-related disease, which involves administering an exendin-4 compound and thiazolidinedione insulin sensitizer to the patient. The invention further comprises the use of exendin-4 compound cand thiazolidinedione insulin sensitizer for the preparation of one or more medicaments for carrying out the method; and a pharmaceutical composition comprising exendin-4 compound and thiazolidinedione composition sand method have the following activities: preservative. The compositions and method have the following activities: antidiabetic, immunosuppressive, cytostatic, anorectic, antilipaemic, compositions and method have the following activities: antidiabetic, immunosuppressive, cytostatic, anorectic, antilipaemic, compositions and method have the following activities: antidiabetes. The method is useful for treating or preventing diabetes or a diabetes related disease chosen from type 1 diabetes, type 2 consect diabetes, polycystic ovarian syndrome, gestational diabetes, obesity, dyslipidaemia, hyperlipidaemia, hypertriglyceridaemia, consect diabetes, polycystic ovarian syndrome, gestational diabetes, consect diabetes, polycystic ovarian syndrome, gestational diabetes, consect inceptoral phyperlipidaemia, hypertriglyceridaemia, consect inceptory, dyslipidaemia, hyperlipidaemia, hypertriglyceridaemia, consect inceptory, diabetic cardiovascular disease, diabetic cretinopathy, background retinopathy, proliferative retinopathy, diabetic cretinopathy, background retinopathy, proliferative retinopathy, diabetic cretinopathy, proliferative retinopathy, diabetic cretinopathy, proliferative retinopathy, diabetic cretinopathy, proliferative retinopathy, diabetic consended and propertion of the patient. The insulin sensitizer is useful for the preparation of one or patient. The insulin sensitizer is useful for the preparation of one or contemporation and propertions agonity for stimulating insulin release relating to the month of the diabetic pr the method of the invention 

Sequence 39 AA;

ADP20988 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

```
|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
```

1 match found in sequence: adp48978 ; Gila monster amidated exendin-3 peptide.

to: 39 from: 1 (from "seq4ags.pep") TOIG of: adp48978 check: 9591

ADP48978 standard; peptide; 39 AA

ADP48978;

09-SEP-2004 (first entry)

Gila monster amidated exendin-3 peptide.

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-3.

Heloderma suspectum

Location/Qualifiers Key Modified-site

/note= "C-terminal amide"

WO2004052390-A1

24-JUN-2004.

30-JUL-2003; 2003WO-US023715.

11-DEC-2002; 2002US-00317126 14-JAN-2003; 2003WO-US001109

(AMYL-) AMYLIN PHARM INC.

Young A, Hathaway DR; Beeley NRA, Prickett K,

WPI; 2004-468706/44.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or syndrome (PCOS) for its agonist or analog

Disclosure; SEQ ID NO 7; 65pp; English.

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sempleme given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS or suffering from PCOS; restoring in a subject suffering from PCOS. The novel compounds of the invention in a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat polycytic ovary syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous continuation in a subject. This sequence represents an exendin poptide used in the transment of a subject. This sequence represents an exendin poptide used in the transment of a subject. the treatment of polycystic ovary syndrome of the invention

Sequence 39 AA;

ADP48978 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

```
HSDGTPTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
```

adp48980 ; Gila monster amidated exendin-4 peptide, SEQ ID 9. from: 1 check: 9570 match found in sequence: (from "seq4ags.pep") TOIG of: adp48980 c

ADP48980 standard; peptide; 39 AA

ADP48980

(first entry) 09-SEP-2004 Gila monster amidated exendin-4 peptide, SEQ ID 9.

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4

Heloderma suspectum

Location/Qualifiers 39 Key Modified-site

/note= "C-terminal amide"

WO2004052390-A1

24-JUN-2004.

30-JUL-2003; 2003WO-US023715.

11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109.

(AMYL-) AMYLIN PHARM INC.

Hathaway DR; Young A, Beeley NRA, Prickett K,

WPI; 2004-468706/44.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog

Disclosure; SEQ ID NO 9; 65pp; English

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type of a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS.

Is subject suffering from PCOS; restoring regular ovulating from PCOS.

Is reventing spontaneous abortion in a subject suffering from PCOS.

PCOS. The method is useful in treating a subject suffering from prost preventing the onset of type-2 diabetes; restoring regular menses, preventing regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

Sequence 39 AA;

ADP48980 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

```
|-----|
HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS
```

adp48985 ; Gila monster exendin-4 peptide (1-30) 1 match found in sequence: (from "seq4ags.pep") TOIG of: adp48985 c

to: 30 check: 4889

ADP48985 standard; peptide; 30 AA

ADP48985;

(first entry) 09-SEP-2004

Gila monster exendin-4 peptide (1-30).

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4.

Heloderma suspectum.

WO2004052390-A1.

24-JUN-2004.

30-JUL-2003; 2003WO-US023715.

11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109.

(AMYL-) AMYLIN PHARM INC.

Young A, Hathaway DR; Beeley NRA, Prickett K,

WPI; 2004-468706/44.

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog 

Claim 1; SEQ ID NO 14; 65pp; English.

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type of a subject suffering from PCOS; preventing the onset of type suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from provel compounds of the invention may be used in gene therapy to treat prove. The method is useful in treating a subject suffering from provel proventing the onset of type-2 diabetes; restoring regular menses, preventing regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

Sequence 30 AA;

Type: P Check: 4889 ADP48985 Length: 30 February 4, 2005 13:20 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance;

fertility; spontaneous abortion; menses; Gila monster; exendin-4.

Heloderma suspectum.

'note= "C-terminal amide"

WO2004052390-A1.

24-JUN-2004.

30-JUL-2003; 2003WO-US023715. 11-DEC-2002; 2002US-00317126. 14-JAN-2003; 2003WO-US001109.

Location/Qualifiers

Key Modified-site

Gila monster amidated exendin-4 peptide (1-28).

(first entry)

09-SEP-2004

ADP48987;

match found in sequence:
adp49897; Gila monster amidated exendin-4 peptide (1-28).
a(from "seq4ags.pep")
TOIG of: adp48987 check: 700 from: 1 to: 28

Z

ADP48987 standard; peptide; 28

```
The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of sendin, or its agonists or nanloques, having a compound consisting of sendin, or its agonists or nanloques, having a capeunce given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetes in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS is preventing spontaneous abortion in a subject suffering from PCOS. The nethod is useful in treating a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from provel compounds of the invention may be used in gene therapy to treat polygatic ovary syndrome (PCOS) for reducing insulin resistance, restoring regular ovalation and fertility or preventing spontaneous provel control in a subject. This sequence represents an exendin peptide used
 Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4.
 in the treatment of polycystic ovary syndrome of the invention
1 match found in sequence:
adp48986 ; Gila moinster amidated exendin-4 peptide (1-30).
(from 'seq48985 ppp")
TOIG of: adp48986 check: 4889 from: 1 to: 30
 Hathaway DR;
 Gila monster amidated exendin-4 peptide (1-30).
 /note= "C-terminal amide"
 Claim 1; SEQ ID NO 15; 65pp; English.
 Location/Qualifiers 30
 Young A,
 30 AA
 11-DEC-2002; 2002US-00317126.
14-JAN-2003; 2003WO-US001109.
 30-JUL-2003, 2003WO-US023715
 ADP48986 standard, peptide;
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Prickett K,
 WPI; 2004-468706/44.
 Heloderma suspectum.
 WO2004052390-A1
 Sequence 30 AA;
 Key
Modified-site
 Beeley NRA,
 09-SEP-2004
 24-JUN-2004.
 ADP48986;
```

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The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; restoring the onset of type-2 diabetes in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular menses in subject suffering from PCOS; restoring regular menses in subject suffering from PCOS; restoring from PCOS. The novel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from PCOS. The
 polycystic ovary syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovalation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
 Type: P Check: 700
 abortion in a subject. This sequence represents an ex
in the treatment of polycystic ovary syndrome of the
 ADP48987 Length: 28 February 4, 2005 13:20 ound using 'seq4' (mohamed337.key)
 Claim 1; SEQ ID NO 16; 65pp; English.
 HGEGTFTSDLSKOMEEEAVRLFIEWLKN
 Sequence 28 AA;
 Found
```

ADP48986 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 ound using 'seq4' (mohamed337.key)

Found

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG

Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.

Hathaway DR;

Young A,

(AMYL-) AMYLIN PHARM INC. Beeley NRA, Prickett K, WPI; 2004-468706/44.

```
Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.
 'note= "The wild-type residue has been substituted by
 note= "The wild-type residue has been substituted by
match found in sequence:
adp48988 ; Gila moneter amidated 14-Leu, 25-Phe exendin-4 peptide.
 Gila monster amidated 14-Leu, 25-Phe exendin-4 peptide.
 Young A, Hathaway DR;
 to: 39
 /note= "C-terminal amide'
 (from "seq4ags.pep")
TOIG of: adp48988 check: 9131 from: 1
 Location/Qualifiers
 ADP48988 standard; peptide; 39 AA
 11-DEC-2002; 2002US-00317126.
14-JAN-2003; 2003WO-US001109.
 30-JUL-2003; 2003WO-US023715
 (first entry)
 Beeley NRA, Prickett K,
 (AMYL-) AMYLIN PHARM INC.
 Leu"
 WPI; 2004-468706/44.
 Heloderma suspectum
 Misc-difference 25
 Misc-difference
 WO2004052390-A1
 Modified-site
 09-SEP-2004
 24-JUN-2004
 Synthetic
```

The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type 2 diabetes in a subject suffering from PCOS; restoring regular menses in a subject suffering from PCOS; restoring regular ovalation in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS; preventing subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The playestic ovary syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular menses abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.

Claim 1; SEQ ID NO 17; 65pp; English.

Sequence 39 AA;

```
The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type-2 diabetes in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS; preventing spontaneous abortion in a subject suffering from PCOS. The novel compounds of the invention may be used in gene therapy to treat polycystic ovary syndrome (PCOS) for reducing insulin resistance,
 Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin or its agonist or analog.
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.
 note= "The wild-type residue has been substituted by
 /note= "The wild-type residue has been substituted by
 match found in sequence:
adp48989 ; Gila monster amidated 14-Leu, 25-Phe exendin-4 (1-28) peptide.
ADP48988 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)
 Gila monster amidated 14-Leu, 25-Phe exendin-4 (1-28) peptide.
 Young A, Hathaway DR;
 to: 28
 |------HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 Claim 1; SEQ ID NO 18; 65pp; English.
 Location/Qualifiers
 from: 1
 ADP48989 standard; peptide; 28 AA
 30-JUL-2003; 2003WO-US023715.
 11-DEC-2002; 2002US-00317126.
14-JAN-2003; 2003WO-US001109.
 (from "seq4ags.pep")
TOIG of: adp48989 check: 261
 09-SEP-2004 (first entry)
 Beeley NRA, Prickett K,
 (AMYL-) AMYLIN PHARM INC.
 Heloderma suspectum.
 WPI; 2004-468706/44.
 Misc-difference 25
 Misc-difference 14
 WO2004052390-A1
 Modified-site
 24-JUN-2004.
 Synthetic
 ADP48989;
```

```
1 match found in sequence:
 adp48990 ; Gila monster amidated 14-Leu, 22-Ala, 25-Phe exendin-4 (1-28) pepti
 (from "seq4ags.pep")
 TOIG of: adp48990 check: 151 from: 1 to: 28
 The invention relates to a novel method for treating a subject suffering from polycystic ovary syndrome (PCOS). The method comprises administering a compound consisting of exendin, or its agonists or analogues, having a
 ò
preventing the onset of type-2 diabetes; restoring regular menses, restoring regular ovulation and fertility or preventing spontaneous abortion in a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
 Treating a subject suffering from polycystic ovary syndrome (PCOS) for reducing insulin resistance, restoring fertility or preventing spontaneous abortion by administering a compound consisting of exendin
 Gila monster amidated 14-Leu, 22-Ala, 25-Phe exendin-4 (1-28) peptide
 polycystic ovary syndrome; PCOS; exendin; type-2 diabetes; ovulation; fertility; spontaneous abortion; gene therapy; insulin resistance; menses; Gila monster; exendin-4; mutant; mutein.
 'note= "The wild-type residue has been substituted by
 note= "The wild-type residue has been substituted by
 'note= "The wild-type residue has been substituted by
 ADP48989 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)
 Young A, Hathaway DR;
 /note= "C-terminal amide"
 Claim 1; SEQ ID NO 19; 65pp; English.
 Location/Qualifiers
 ADP48990 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAVRLFIEFLKN
 30-JUL-2003; 2003WO-US023715
 11-DEC-2002; 2002US-00317126
 14-JAN-2003; 2003WO-US001109
 (first entry)
 Prickett K,
 (AMYL-) AMYLIN PHARM INC
 its agonist or analog.
 WPI; 2004-468706/44.
 suspectum
 Key
Misc-difference
 Misc-difference
 Misc-difference
 Sequence 28 AA;
 WO2004052390-A1
 Modified-site
 09-SEP-2004
 24-JUN-2004
 Beeley NRA,
 Synthetic.
 Heloderma
 ADP48990;
 886666
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sequence given in the specification, where the subject exhibits at least one symptom of PCOS. The invention further relates to: reducing insulin resistance in a subject suffering from PCOS; preventing the onset of type -2 diabetes in a subject suffering from PCOS; restoring regular woulation in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS; restoring regular ovulation in a subject suffering from PCOS. The member subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The method is useful in treating a subject suffering from PCOS. The subject ovary syndrome (PCOS) for reducing insulin resistance, preventing the onset of type-2 diabetes; restoring regular menses, restoring regular menses, restoring regular quilling a subject. This sequence represents an exendin peptide used in the treatment of polycystic ovary syndrome of the invention.
 Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.
 or
 The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is
 incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes;
 2005 13:20 Type: P Check: 151
 RJ;
 to: 39
 Roman
 Disclosure; SEQ ID NO 12; 50pp; English.
 adp86539 ; Exendin-3 peptide SEQ ID NO:12.
 check: 9591 from: 1
 Location/Qualifiers
 Mistry M,
 ADP86539 standard; peptide; 39 AA
 /note= "amidated"
 Exendin-3 peptide SEQ ID NO:12.
 HGEGTFTSDLSKQLEEEAVRLAIEFLKN
 ADP48990 Length: 28 February 4, Found using 'seg4' (mohamed337.key)
 19-DEC-2002; 2002US-00741534.
17-DEC-2003; 2003US-00740146.
 19-DEC-2003; 2003WO-US040713
 23-SEP-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Hathaway DR,
 match found in sequence:
 WPI; 2004-507586/48
 (from "seq4ags.pep")
TOIG of: adp86539 c
 Sequence 28 AA;
 WO2004056317-A2
 Key
Modified-site
 hypertension
 08-JUL-2004.
 Baron AD,
 Synthetic
 ADP86539;
 85666666666666655888
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of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive activities. (1) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of nephropathy to end stage renal disease (ESRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for the present sequence represents an execution. The present sequence represent invention.
used in the manufacture of a medicament for the prevention or treatment
88888888888888888888
```

Sequence 39 AA;

ADP86539 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)

HSDGTFTSDLSKOMEREAVRLFIEWLKNGGPSSGAPPPS

to: 39 1 match found in sequence:
adp86541 ; Exendin-4 peptide SEQ ID NO:14.
 (from "seq4ags.pep")
 TOIG of: adp86541 check: 9570 from: 1

ADP86541 standard; peptide; 39 AA. Exendin-4 peptide SEQ ID NO:14. (first entry) 23-SEP-2004 ADP86541; 

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

Location/Qualifiers /note= "amidated" Key Modified-site

WO2004056317-A2

08-JUL-2004

19-DEC-2003; 2003WO-US040713.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

Roman RJ; Mistry M, Hathaway DR, Baron AD,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 14; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or

their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of prevention or treatment of nephropathy; preventing progression of control in the treatment of reduced vasodilatory capacity; reducing proteinuria, and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose exidation; including that by condothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces exidative stress on the affected tissue. The present sequence represents an exemdin-4 peptide, which is given in the exemplification of the present invention 88888888888888888888

Sequence 39 AA;

ADP86541 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPPS

match found in sequence:
adp86546; Exendin-4 analogue peptide SEQ ID NO:19.
(from "seq4ags.pep") from: 1 TOIG of: adp86546

ADP86546 standard; peptide; 30 AA ADP86546; 

Exendin-4 analogue peptide SEQ ID NO:19.

23-SEP-2004 (first entry)

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

WO2004056317-A2

08-JUL-2004.

19-DEC-2003; 2003WO-US040713.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

8 Roman Mistry M, Hathaway DR, Baron AD,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy

Disclosure; SEQ ID NO 19; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive

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prevention or treatment of nephropathy; preventing progression of unephropathy to end stage renal disease (ESRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given
activities. (I) can be used in the manufacture of a medicament for the
 in the exemplification of the present invention.
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Sequence 30 AA;

ADP86546 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

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|-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG
```

adp86547 ; Exendin-4 analogue peptide SEQ ID NO:20. check: 4889 from: 1 match found in sequence: (from "seq4ags.pep") TOIG of: adp86547 c

ADP86547 standard; peptide; 30 AA. 23-SEP-2004 (first entry)

Exendin-4 analogue peptide SEQ ID NO:20. 

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

Location/Qualifiers /note= "amidated" WO2004056317-A2 Modified-site 08-JUL-2004

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

19-DEC-2003; 2003WO-US040713

(AMYL-) AMYLIN PHARM INC

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy. Roman RJ; Mistry M, Baron AD, Hathaway DR, WPI; 2004-507586/48.

Disclosure; SEQ ID NO 20; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment

of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of nephropathy to end stage renal disease (ESRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothalial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the exemplification of the present invention. 888888888888888888888888888888888

Sequence 30 AA;

ADP86547 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

```
HGEGTFTSDLSKOMEEBAVRLFIEWLKNGG
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adp86548 ; Exendin-4 analogue peptide SEQ ID NO:21. to: 28 check: 700 from: 1 1 match found in sequence: (from "seq4ags.pep") TOIG of: adp86548 c

ADP86548 standard; peptide; 28 AA 23-SEP-2004 (first entry) ADP86548;

Exendin-4 analogue peptide SEQ ID NO:21.

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Synthetic

Location/Qualifiers /note= "amidated" WO2004056317-A2 Key Modified-site 

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

19-DEC-2003; 2003WO-US040713

(AMYL-) AMYLIN PHARM INC.

Roman RJ; Mistry M, Baron AD, Hathaway DR,

WPI; 2004-507586/48.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure, SEQ ID NO 21; 50pp; English.

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is

```
used in the manufacture of a medicament for the prevention or treatment of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive activities. (1) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of nephropathy to end stage renal disease (ESRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the exemplification of the present invention.
 88888888888888888888888888
```

Sequence 28 AA;

ADP86548 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQMEERAVRLFIEWLKN 1

. match found in sequence: adp86549 ; Exendin-4 analogue peptide SEQ ID NO:22. to: 39 (from "seq4ags.pep") TOIG of: adp86549 check: 9131 from: 1

ADP86549 standard; peptide; 39 AA 23-SEP-2004 (first entry) ADP86549;

incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; Exendin-4 analogue peptide SEQ ID NO:22. hypertension Synthetic 

Location/Qualifiers /note= "amidated" Key Modified-site

08-JUL-2004

WO2004056317-A2

19-DEC-2003; 2003WO-US040713.

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC

Roman RJ;

Mistry M,

WPI; 2004-507586/48.

Baron AD, Hathaway DR,

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

WPI; 2004-507586/48.

The present invention describes an incretin, a glucagon-like peptide-1

Disclosure; SEQ ID NO 23; 50pp; English

Disclosure; SEQ ID NO 22; 50pp; English

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or

prevention or treatment of negative and a measurement of the prevention of treatment of negative and preventing progression of nephropathy to end stage renal disease (BSRD); improving endothelial function in the treatment of reduced vasodilatory capacity; reducing proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given in the exemplification of the present invention. incretin; glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension. their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive activities. (I) can be used in the manufacture of a medicament for the 2005 13:20 Type: P Check: 9131 . match found in sequence: adp86550 ; Exendin-4 analogue peptide SEQ ID NO:23. Roman RJ; 28 HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPPS ţ Exendin-4 analogue peptide SEQ ID NO:23 Location/Qualifiers from: 1 Mistry M, /note= "amidated" ADP86550 standard; peptide; 28 ADP86549 Length: 39 February 4, Found using 'seq4' (mohamed337.key) 19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146. 19-DEC-2003; 2003WO-US040713 (first entry) check: 261 (AMYL-) AMYLIN PHARM INC. Baron AD, Hathaway DR, "seq4ags.pep") WO2004056317-A2. Sequence 39 AA; TOIG of: adp86550 Key Modified-site 23-SEP-2004 08-JUL-2004. Synthetic. ADP86550; from 8888888888888888888888888888888888888 

their agonist, analogue, derivative or variant or fragment (1), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (1) has nephrotropic, antidiabetic and hypotensive activities. (1) can be used in the manufacture of a medicament for the prevention or treatment of nephropathy; preventing progression of prevention or treatment of nephropathy; preventing progression of prevention or treatment of nephropathy; preventing progression of proteinuria; and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothelial cells in the kidney and by other cells, rather by oxidation of fee fatty acids, and so leads to an enhanced production of Arp for use by the cells and reduces oxidative stress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given to the exemplification of the present invention. Sequence 28 AA; 85888888888888888888888888

ADP86550 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKN 28

1 match found in sequence: adp86551 ; Exendin-4 analogue peptide SEQ ID NO:24. to: from: 1 ADP86551 standard; peptide; 28 AA. check: 151 (first entry) n "seq4ags.pep") of: adp86551 c 23-SEP-2004 ADP86551; E O 

incretin, glucagon-like peptide-1; GLP-1; exendin; nephropathy; nephrotropic; antidiabetic; hypotensive; end stage renal disease; ESRD; proteinuria; glomerulosclerosis; insulin resistance; diabetes; hypertension

Exendin-4 analogue peptide SEQ ID NO:24.

Synthetic.

Location/Qualifiers /note= "amidated" Modified-site

WO2004056317-A2

08-JUL-2004

19-DEC-2003; 2003WO-US040713

19-DEC-2002; 2002US-00741534. 17-DEC-2003; 2003US-00740146.

(AMYL-) AMYLIN PHARM INC.

WPI; 2004-507586/48.

Baron AD, Hathaway DR,

Mistry M, Roman RJ;

Use of an incertin, a glucagon-like peptide-1, an exendin or a compound that binds to a receptor for glucagon-like peptide-1, in the manufacture of a medicament for the prevention or treatment of nephropathy.

Disclosure; SEQ ID NO 24; SOpp; English

The present invention describes an incretin, a glucagon-like peptide-1 (GLP-1), an exendin or a compound that binds to a receptor for GLP-1, or their agonist, analogue, derivative or variant or fragment (I), that is used in the manufacture of a medicament for the prevention or treatment of nephropathy. (I) has nephrotropic, antidiabetic and hypotensive of antidiabetic and hypotensive of antidiabetic and hypotensive of antidiabetic and hypotensive prevention or treatment of nephropathy; preventing progression of prevention or treatment of reduced vasodilatory capacity; reducing proteinuria, and preventing or slowing progression of glomerulosclerosis associated with insulin resistance, diabetes and hypertension. The compounds act in part by improving insulin resistance, cation balance, hypertension and/or by facilitating glucose oxidation; including that by endothalial cells in the kidney and by other cells, rather by oxidation of free fatty acids; and so leads to an enhanced production of ATP for use by the cells and reduces oxidation; etress on the affected tissue. The present sequence represents an exendin analogue peptide, which is given the exemplification of the present invention. 84868888888888888888

Sequence 28 AA;

ADP86551 Length: 28 February 4, 2005 13:20 Type: P Check: 151 Found using 'seq4' (mohamed337.key)

**HGEGTFTSDLSKOLEEEAVRLAIEFLKN** 

to: 39 adq28641 ; Exendin-3, useful as antiarrhythmic.
(from "seq4ags.pep") from: 1 check: 9591 match found in sequence: TOIG of: adg28641

ADQ28641 standard; peptide; 39 AA

ADQ28641;

(first entry) 23-SEP-2004 Exendin-3, useful as antiarrhythmic.

Exendin-3; antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma horridum

/note= "C-terminal amide" Location/Qualifiers 39 Modified-site 

WO2004056313-A2

08-JUL-2004.

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

Hathaway DR, Baron AD;

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 12; 49pp; English.

The present sequence is that of the exendin-3 peptide of Heloderma harridum. This is a glucose-dependent insulinotropic peptide that

glucose-dependent insulinotropic peptide that enhances peripheral

```
computes peripheral glucose uptake without inducing dangerous hyperglycaemia. The present invention provides methods and compositions cor for preventing and treating cardiac arrhythmias. The compositions computes exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) levels substantially more than can be accomplished with insulin. High FFA levels been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, cardiac ischaemia, cardiac ischaemia, cardiac ischaemia, cardiac
 ADQ28641 Length: 39 February 4, 2005 13:20 Type: P Check: 9591 Found using 'seq4' (mohamed337.key)
 Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic.
 to: 39
 adq28643 ; Exendin-4, useful as antiarrhythmic.
 HSDGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAPPPS
 /note= "C-terminal amide"
 from: 1
 Exendin-4, useful as antiarrhythmic.
 Location/Qualifiers
39
 ADQ28643 standard; peptide; 39 AA
 17-DEC-2003; 2003WO-US040504
 17-DEC-2002; 2002US-0434508P
19-DEC-2002; 2002US-0434888P
 check: 9570
 (first entry)
 found in sequence:
 suspectum
 (from "seq4ags.pep"
TOIG of: adq28643
 WO2004056313-A2
 Sequence 39 AA;
 Key
Modified-site
 23-SEP-2004
 08-JUL-2004
 Heloderma
 ADQ28643
 match
 $$$$$$$$$$$$$$$$$$$$$$$$$$$$
```

The present sequence is that of exendin-4 of Heloderma suspectum. This is

Disclosure; SEQ ID NO 14; 49pp; English

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

(AMYL-) AMYLIN PHARM INC. Hathaway DR, Baron AD; WPI; 2004-507584/48.

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cardiac arrhythmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, an aloque, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulincropic action, and thereby reduce plasma free fatty acid (FFA) levels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with insulin. Onlowing an ischemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary seculiar, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, reperfusion and congestive heart failure.
 Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.
 glucose uptake without inducing dangerous hyperglycaemia. The present invention provides methods and compositions for preventing and treating
 The present sequence is that of exendin-4 (1-30) peptide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The
 Exendin-4 (1-30); antiarrhythmic; cardiovascular-gen.; vasotropic.
 ADQ28643 Length: 39 February 4, 2005 13:20 Type: P Check: 9570 Found using 'seq4' (mohamed337.key)
 . match found in sequence:
adq2848 ; Exendin-4 (1-30) peptide, useful as antiarxhythmic.
(from "seq4ags.pep")
TOIG of: adq28648 check: 4889 from: 1 to: 30
 Exendin-4 (1-30) peptide, useful as antiarrhythmic.
 |------|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS
 Disclosure; SEQ ID NO 19; 49pp; English.
 ADQ28648 standard; peptide; 30 AA.
 17-DEC-2003; 2003WO-US040504
 17-DEC-2002; 2002US-0434508P.
19-DEC-2002; 2002US-0434888P.
 23-SEP-2004 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 WPI; 2004-507584/48.
 Heloderma suspectum.
 WO2004056313-A2
 Sequence 39 AA;
 Hathaway DR,
 08-JUL-2004.
 ADQ28648;
8866666666666666666666666666666666
 CCCCXBXBXBXBXBXBXBXBXBXBXBXBXBXBXBXBXCCCC
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to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FRA) levels substantially more than can be accomplished with insulin. High FRA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia,
compound that binds
 cardiac ischaemia-reperfusion and congestive heart failure.
 GLP-1, an incretin, a
compositions comprise exendin,
```

Sequence 30 AA;

ADQ28648 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seg4' (mohamed337.key)

HGEGTFTSDLSKQMEEEAVRLFIEWLKNGG

1 match found in sequence:
adq38649; Exendin-4 (1-30) amide, useful as antiarrhythmic.
(from "seq4ags.pep")
TOIG of: adq28649 check: 4889 from: 1 to: 30

Exendin-4 (1-30) amide, useful as antiarrhythmic. ADQ28649 standard; peptide; 30 AA (first entry) 23-SEP-2004 ADQ28649; 

Exendin-4 (1-30); antiarrhythmic; cardiovascular-gen.; vasotropic. /note= "C-terminal amide" Location/Qualifiers 30 Heloderma suspectum Modified-site

WO2004056313-A2

08-JUL-2004

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P.

(AMYL-) AMYLIN PHARM INC

Baron AD;

Hathaway DR,

WPI; 2004-507584/48.

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 20; 49pp; English.

The present sequence is that of exendin-4 (1-30) amide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The

to a receptor for GBP-1, or an agoinst, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) evels substantially more than can be accomplished with insulin. High FFA levels substantially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial ischaemic event or a cardiac intervention such as angioplasty, coronary ischaemic event or a cardiac intervention such as angioplasty, coronary by pass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, experients on and congestive heart failure. compound that binds

8888888888888888888888888888888888

Sequence 30 AA;

ADQ28649 Length: 30 February 4, 2005 13:20 Type: P Check: 4889 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKNGG 1

ADQ28650 standard; peptide; 28

ADQ28650;

A

Exendin-4 (1-28) amide, useful as antiarrhythmic. 23-SEP-2004 (first entry)

Exendin-4 (1-28); antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma suspectum.

/note= "C-terminal amide" Location/Qualifiers WO2004056313-A2 Modified-site 08-JUL-2004. 

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

Baron AD; DR, Hathaway

(AMYL-) AMYLIN PHARM INC.

WPI; 2004-507584/48

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 21; 49pp; English.

The present sequence is that of exendin-4 (1-28) amide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The

```
compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or variant of these compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular maintaining the electrochemical gradient across cardiac cellular. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFA) [evels subsentially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary is schaemic event or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia, reperfusion and congestive heart failure.
 %$$$$$$$$$$$$$$$$$$$$$$$$$$$$
```

Sequence 28 AA;

ADQ28650 Length: 28 February 4, 2005 13:20 Type: P Check: 700 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOMEEEAVRLFIEWLKN

1 match found in sequence: add28651 ; 14beu,25phe exendin-4 amide, useful as antiarrhythmic. to: 39 from: 1 check: 9131 (from "seq4ags.pep") TOIG of: adq28651 c

14Leu, 25Phe exendin-4 amide, useful as antiarrhythmic. 39 AA ADQ28651 standard; peptide; (first entry) 23-SEP-2004 ADQ28651; 

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic. 'note= "Wild-type Met substituted by Leu" note= "Wild-type Trp substituted by Phe" Location/Qualifiers Heloderma suspectum Key Misc-difference 14 Misc-difference 25

Modified-site

/note= "C-terminal amide"

WO2004056313-A2

08-JUL-2004

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

Hathaway DR, Baron AD; WPI; 2004-507584/48. Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention.

Disclosure; SEQ ID NO 22; 49pp; English

The present sequence is that of 14Leu, 25Phe exendin-4 amide derived from Heloderna suspectum exendin-4 ADQ26643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmas. The compositions comprise exendin, GLP-1, an incretin, a compound that binds compositions comprise exendin, GLP-1, an incretin, a compound that binds compounds or their biologically active fragments. These compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its rimulinotropic action, and thereby reduce plasma free fatty acid (FFA) levels substantially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial inchantal and accomplished with insulin. High FFA increases. ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac ischaemia-reperfusion and congestive heart failure.

88888888888888888888888888888888888

Sequence 39 AA;

ADQ28651 Length: 39 February 4, 2005 13:20 Type: P Check: 9131 Found using 'seq4' (mohamed337.key)

|-----| HGEGTFTSDLSKOLEEEAVRLFIEFLKNGGPSSGAPPPS

match found in sequence: adq28652 ; 14Leu,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic. to: 28 check: 261 from: 1 (from "seq4ags.pep") TOIG of: adq28652 c

ADQ28652;

ADQ28652 standard; peptide; 28 AA

23-SEP-2004 (first entry)

14Leu, 25Phe exendin-4 (1-28) amide, useful as antiarrhythmic.

Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic.

Heloderma suspectum

/note= "Wild-type Met substituted by Leu" Trp substituted by Phe" /note= "C-terminal amide' Location/Qualifiers /note= "Wild-type Misc-difference 14 Misc-difference 25 Modified-site 

WO2004056313-A2

08-JUL-2004.

17-DEC-2003; 2003WO-US040504

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

Hathaway DR,

WPI; 2004-507584/48

Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of

The present sequence is that of 14Leu, 25phe exendin-4 (1-28) amide derived from Heloderma suspectum exendin-4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides exendin analogues of the invention. The present invention provides carbitations compositions for preventing and treating cardiac arrhythmias. The compositions comprise exendin, GLP-1, an incretin, a compound that binds to a receptor for GLP-1, or an agonist, analogue, derivative or compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at maintaining the electrochemical gradient across cardiac cellular membranes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FFR) levels mubstantially more than can be accomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial schaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be used to treat or prevent ventricular arrhythmias such as cardiac ischaemia, cardiac arrhythmias by metabolic intervention. Disclosure; SEQ ID NO 23; 49pp; English. Sequence 28 AA; 

AD028652 Length: 28 February 4, 2005 13:20 Type: P Check: 261 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKOLEEEAVRLFIEFLKN 1

1 match found in sequence: add28653 ; 14Leu,2221a,25Phe exendin-4 (1-28) amide, useful as antiarrhythmic. to: 28 from: 1 (from "seq4ags.pep") TOIG of: adq28653 check: 151

14Leu, 22Ala, 25Phe exendin-4 (1-28) amide, useful as antiarrhythmic. Exendin-4; antiarrhythmic; cardiovascular-gen.; vasotropic ADQ28653 standard; peptide; 28 AA. 23-SEP-2004 (first entry) ADQ28653; 

'note= "Wild-type Met substituted by Leu" Location/Qualifiers 14 Heloderma suspectum Misc-difference

Misc-difference 22

'note= "Wild-type Phe substituted by Ala" 'note= "Wild-type Trp substituted by Phe" Misc-difference 25 Modified-site

/note= "C-terminal amide"

WO2004056313-A2

08-JUL-2004

17-DEC-2003; 2003WO-US040504.

17-DEC-2002; 2002US-0434508P. 19-DEC-2002; 2002US-0434888P.

(AMYL-) AMYLIN PHARM INC.

The present sequence is that of 14Leu, 22Ala, 25Phe exendin-4 (1-28) amide derived from Heloderma suspectum exendin.4 ADQ28643. It is an example of exendin analogues of the invention. The present invention provides methods and compositions for preventing and treating cardiac arrhythmias. The compositions compromed preventing and treating cardiac arrhythmias. The compositions comprounds or their biologically active fragments. These compounds or their biologically active fragments. These compounds enhance peripheral glucose uptake by potentiating insulin compounds enhance peripheral glucose uptake by potentiating insulin secretion without inducing dangerous hypoglycaemia. They are effective at menhanes, thereby reducing the likelihood of arrhythmias developing. They also strongly suppress glucagon secretion, independent of its insulinotropic action, and thereby reduce plasma free fatty acid (FPA) levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be adcomplished with insulin. High FFA levels have been implicated as a major toxic mechanism during myocardial ischaemia. The compounds can be administered by injection following an ischaemic event or a cardiac intervention such as angioplasty, coronary bypass grafting or placement of an intracoronary stent, and can be, used to treat or prevent venticular arrhythmias such as angioplasty. Use of an incertin, a glucagon-like peptide-1, an exendin, or a compound that binds to a receptor for glucagon-like peptide-1 in the treatment of cardiac arrhythmias by metabolic intervention. cardiac ischaemia-reperfusion and congestive heart failure Disclosure; SEQ ID NO 24; 49pp; English Hathaway DR, Baron AD; WPI; 2004-507584/48. 

Sequence 28 AA;

AD028653 Length: 28 February 4, 2005 13:20 Type: P Check: 151 Found using 'seq4' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLAIEFLKN

- Search Statistics --

Total Elapsed 00:00:18.00 955 955 955 00:00:01.09 Number of sequences searched: Number of sequence hits: Number of separate matches: Number of sequence hits saved: searched: rimes:

## File : seq4pir.pep

## -- Output Parameters --

|                 |                            | No                          |                 |                      |                          |                     |  |
|-----------------|----------------------------|-----------------------------|-----------------|----------------------|--------------------------|---------------------|--|
| File Options:   | Indirect file              | Sequence or key file        | List of hits    | Hit display          | Name and annotations     |                     |  |
|                 | cact                       | ^                           | 83              | 9                    | 8                        | 20                  |  |
| Format Options: | Nucleic acid code matching | Find non-matching hits only | Report key used | Note position of hit | Display full annotations | Sequence context 50 |  |

## -- Run Parameters --

|                               | ı |
|-------------------------------|---|
|                               |   |
|                               |   |
|                               |   |
|                               |   |
| Batch<br>now<br>No            |   |
|                               |   |
| ison                          |   |
| comparison<br>of run          |   |
| Δiri<br>of Ω                  |   |
| start<br>at end               |   |
|                               |   |
| Run mode<br>Time to<br>Notify |   |
| Ru                            |   |
|                               |   |

Total Elapsed 00:00:00:00

CPU 00:00:00.00

Times:

Number of sequences searched: Number of sequence hits: Number of separate matches: Number of sequence hits saved:

-- Search Statistics --

|-----| HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPPS 1

| C;Accession: A2377  Sing, J; Andrews, P.C; Klainman, W.A; Singh, L; Raufman, J.P.  J; Biol, Chem. 265, 20259-20262, 1990  A;Attle: Purification and astructure of exendin-3, a new pancreatic secretage isolated from Helodorma horitdum venom.  A;Accession: A23674; MuID:91056067; PMID:1700785  C;Comment: Exending are venom components that are thought to bind to reception of conversation of the secretary o |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

<sup>1</sup> match
1 
P1,HWGH3Z - exendin-3 - Mexican beaded lizard C;Species: Heloderma horridum (Mexican beaded lizard) C;Date: 31-Mar-1993 #sequence\_revision 31-Mar-1993 #text\_change 09-Jul-2004

• 

```
Number
Number
 Number
 Times:
 SFFFS
 61
 This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its most by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
 Serine amide (G-87 provides amide group).
PDB; 1JRJ; NMR; A=48-86.
InterPro; IPR00532; Glucagon.
Pfam; PF00123; Hormone 2; 1.
PRMRT; SM0070; GLUCA, I.
PROSITE; PS00260; GLUCAGON; 1.
3D-structure; Amidation; Direct protein sequencing; Glucagon family;
 Heloderma horridum (Mexican beaded lizard).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Lepidosauria, Squamata, Scleroglossa, Anguimorpha, Helodermatidae,
 HELSU Length: 87 February 4, 2005 13:30 Type: P Check: 973 I using 'seq4' (mohamed337 key)
 MKIILWLCVFGLFLATLFPISWQMPVESGLSSEDSASSESFASKIKRHGEGTFTSDLSKQ
 Chen T., Kwok H., Shaw C.;
Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; AJS80309; CAE30483.1; -.
 9479 MW; 656BA6E3D87454A2 CRC64;
 Last sequence update)
Last annotation update)
 from: 1 to: 87
 Exendin-4.
 Potential.
 Created)
 PRT;

MEEEAVRLFIEWLKNGGPSSGAPPPSG
 EMBL; U77613; AAB51130.1; -. PIR; A42486; HWGH4G.
 01-OCT-2003 (TrEMBLrel. 25, 01-OCT-2003 (TrEMBLrel. 25, 01-MAR-2004 (TrEMBLrel. 26,
 check: 1771
 1 match found in sequence:
q7szu6 ; Exendin 3 precursor.
[from "seq4uni.psp")
TOIG of: q7szu6 check: 1771
 PRELIMINARY;
 23
447
74
74
76
 Exendin 3 precursor.
 SEQUENCE FROM N.A.
TISSUE=Venom;
 87 AA;
 NCBI_TaxID=8551;
 ignal; Toxin.
 Name=exendin;
 Heloderma.
 SEQUENCE
 MOD RES
 PROPEP
PEPTIDE
 Found
 EXE4
 SO THE FEFFE FEFFE SO THE SO T
```

```
MKİ ILWLCVFGLFLATLFPVSWQMPVESGLSSEDSASSESFASKI KRHSDGTFTSDLSKQ
 Q7SZU6 Length: 87 February 4, 2005 13:30 Type: P Check: 1771 Found using 'seq4' (mohamed337.key)
 Total Elapsed 00:00:00:00
 48 86 exendin 3.
87 AA; 9481 MW; E66FA6F15AE5F127 CRC64;
 GO; GO:00055/6; C:extracellular; IEA.
GO; GO:0005179; F:hormone activity; IEA.
InterPro; IPR000532; Glucagon.
Pfam; PF00123; Hormone 2; 1.
SMART; SM00070; GLUCA; 1.
PROSITE; PS00260; GLUCAGON; 1.
 -- Search Statistics --
 Potential
 00.00:00:00
 f sequences searched:
f sequence hits:
f separate matches:
f sequence hits saved:
HSSP; P26349; 1JRJ
 1 48
 SEQUENCE
 Signal.
 CHAIN
 ####
```

```
DDT BE DE STAN SE STAN
 No
Yes
Yes
 Selected search type is key against sequence data banks or files. Selected scope is Sequence.
Selected sequence key from "mohamed337.key":
seq4 (AA) ID seq4 AA preliminary pattern

1 followed by
2 nor y
2 s or g or a or t
 Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
 . match found in sequence:
exeshelho; Exendin-3.
(from "about.pep")
TOIG of: exe3_helho check: 9591 from: 1 to: 39
 File Options:
 Quest - Quick User-directed Expression Search Tool
Release 5.4
 -- Outline of search "seq4_uni"
 -- Output Parameters --
 -- Run Parameters --
 PRT;
 Exact
No
 Batch
now
No
 P20394;
01-FEB-1991 (Rel. 17, Created)
 Yes
Yes
Yes
 STANDARD;
 Nucleic acid code matching
Find non-matching hits only
 Time to start comparison
Notify at end of run
 Report key used Note position of hit Display full annotations
 File : seq4uni.pep
 a or 8
a or k
any character
a or e
a or e
 a or v
a or r
any character
any character
a or e or d
 t or s
a or s or t
d or e
any character
 any character
a or l
a or k
a or n
 any character
 IntelliGenetics
 Sequence context
 g
a or t
 ЕХЕЗ НЕГНО
 Selected files:
 Format Options:
 Run mode
HAB
```

```
Andrew P.C., Kleinman W.A., Singh L., Raufman J.-P.;
"Purification and structure of exendin-3, a new pancreatic
secretagogue isolated from Heloderma horridum venom.";
J. Biol. Chem. 265:2025-20262(1990).
 SEQUENCE FROM N.A.
MEDLINE=97172477; PubMed=9020121; DOI=10.1074/jbc.272.7.4335;
Chen Y.E., Drucker D.J.;
Then Y.E., Drucker D.J.;
"Tissue-specific expression of unique mRNAs that encode proglucagon-derived peptides or exendin 4 in the lizard.";
J. Biol. Chem. 272:4108-4115(1997).
 Eng J., Kleinman W.A., Singh L., Singh G., Raufman J.-P.;
"Isolation and characterization of exendin-4, an exendin-3 analogue, from Heloderma suspectum venom. Further evidence for an exendin receptor on dispersed acini from guinea pig pancreas.";
J. Biol. Chem. 267:7402-7405 (1992).
STRUCTURE BY NWR OF 48-86.
 Exendin-4 precursor.

Heloderma suspectum (Gila monster).

Heloderma suspectum (Gila monster).

Heloderma suspectum (Gila monster).

Helodermai, Squamata; Scleroglossa; Anguimorpha; Helodermatidae; Heloderma.
 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Lepidosauria, Squamata, Scleroglossa, Anguimorpha, Helodermatidae,
 EXE3 HELHO Length: 39 February 4, 2005 13:30 Type: P Check: 9591
Found using 'seq4' (mohamed337.key)
 with the executor rate broadcar activity. In with the executor rate broadcar activity. In with the executor receptor.
--- SUBCELLULAR LOCATION: Secreted.
--- SINGLARITY: BEDEVER Expressed by the venom gland.
--- SINGLARITY: Belongs to the glucagon family.

PIR; A23674; HWGH3Z.
HSSP; P26349; JUNJ.
HSSP; P26349; JUNJ.

FARRY: PRO00123; Glucagon.

PROSITE; P8001070; GLUCA; J.

AMIGHAT; SMOON70; GLUCA; J.

AMIGHATO, Direct protein sequencing; Glucagon family; Toxin.
 Heloderma horridum horridum (Mexican beaded lizard).
 39 39 Serine amide.
39 AA; 4204 MW; A44251D3A4B1D1B9 CRC64;
01-FEB-1991 (Rel. 17, Last sequence update) 05-JUL-2004 (Rel. 44, Last annotation update)
 P26349;
01-MAY-1992 (Rel. 22, Created)
12-UUL-1998 (Rel. 36, Last sequence update)
25-OCT-2004 (Rel. 45, Last annotation update)
 to: 87
 87 AA.
 |-----|
HSDGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPPPS
 from: 1
 PRT;
 TISSUE=Venom;
MEDLINE=91056067; PubMed=1700785;
 MEDLINE=92218391; PubMed=1313797;
 check: 973
 exe4helsu ; Exendin-4 precursor. (from "seq4uni.pep")
TOIG of: exe4_helsu check: 973
 STANDARD;
 match found in sequence:
 SEQUENCE OF 48-86.
 NCBI_TaxID=8552;
 NCBI_TaxID=8554;
 Exendin-3.
 Heloderma.
 EXE4 HELSU
 MOD RES
SEOUENCE
 SEOUENCE.
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Ą
 HGEGTFTSDLSKOMEEEAVRLFIEWLKN
1
 ဋ
 AAB11129 standard, peptide; 39
 AAB11129 Length: 39 February 4, ound using 'seq5' (mohamed337.key)
 AAB11128 Length: 28 February 4,
Found using 'seq5' (mohamed337.key)
 1 match found in sequence:
aab11129 ; exendin agonist SEQ ID
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 20-FEB-2001 (first entry)
 exendin agonist SEQ ID NO
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46
 Sequence 39 AA;
 Sequence 28 AA;
 WO200041546-A2
 using 'seq5'
 20-JUL-2000,
 Synthetic.
 AAB11129;
 Young A,
 Found
8888888
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 4889
 AAB11127 Length: 30 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)
 28
 ;
t
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 Disclosure; Page 25; 281pp; English.
 Disclosure, Page 25; 281pp; English
 Kolterman
 from: 1
 Kolterman
 AAB11128 standard; peptide; 28 AA
 HGEGTFTSDLSKOMBERAVRLFIEWLKNGG
 abili28; exendin agonist SEQ ID NO (from "seq5ags.pep")
TOIG of: aabili28 check: 700 from:
 99US-0116380P
 10-JAN-2000; 2000US-0175365P
 ID NO 40
 14-JAN-2000; 2000WO-US000902
 99US-0116380P
 10-JAN-2000; 2000US-0175365P
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 L'italien JJ,
 match found in sequence:
 exendin agonist SEQ
 WPI; 2000-514584/46.
 WPI; 2000-514584/46
 Sequence 30 AA;
 WO200041546-A2
 14-JAN-1999;
14-JAN-1999;
 20-FEB-2001
 20-JUL-2000
 Synthetic
 Young A,
 Young A,
 AAB11128;
 aab11128
 CCCXSXLTTXBXBXXBXBXCXXXXXXXXXXXXCCCCC
```

```
has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 9131
 Type: P Check: 700
 39
 ;
to:
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPPS
 February 4, 2005 13:32
 2005 13:32
 Example 14; Page 25-26; 281pp; English.
 ö
 (from "seqSags.pep")
TOIG of: aab11129 check: 9131 from: 1
 Kolterman
```

Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.

exendin agonist SEQ ID NO 6.

20-FEB-2001

```
No
No
Yes
Yes
 Selected search type is key against sequence data banks or files. Selected scope is Sequence.
Selected sequence key from "mohamed337.key":
seq5 (AA) ID seq5 AA preliminary pattern
1 followed by
 Indirect file
Sequence or key file
List of hits
Hit display
Name and annotations
 File Options:
 Quick User-directed Expression Search Tool 5.4
 -- Outline of search "seq5_ags"
 -- Output Parameters --
 -- Run Parameters --
 Exact
No
Yes
Yes
Yes
 Batch
now
No
 Nucleic acid code matching
Find non-matching hits only
 Run mode
Time to start comparison
Notify at end of run
 any character
a or g or a or t
a or g or a or t
any character
t or s or t
any character
t or s or t
any character
any character
a or s or t
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a or g
a or g
a or g
a or g
a or g
a or g
a or g
a or g
a or g
a or g
a or g
a or e
 Report key used
Note position of hit
Display full annotations
Sequence context
 File : seq5ags.pep
 a or v
a or r
a or r
an or l
any character
any character
a or e or d
any character
 IntelliGenetics
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a or n
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying

or reducing food intake

Sequence 30 AA;

New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.

Disclosure; Page 25; 281pp; English.

Young A, L'italien JJ, Kolterman O;

WPI; 2000-514584/46.

(AMYL-) AMYLIN PHARM INC.

14-JAN-2000; 2000WO-US000902. 14-JAN-1999; 99US-0116380P. 10-JAN-2000; 2000US-0175365P.

WO200041546-A2.

Synthetic.

20-JUL-2000

```
Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
AAB11126 Length: 30 February 4, 2005 13:32 Type: P Check: 4889 Found using 'seq5' (mohamed337.key)
 to: 30
 check: 4889 from: 1
 aabil127; exendin agonist SEQ ID NO 7. (from "seq5ags.pep")
TOIG of: aabil127 check: 4889 from:
 AAB11127 standard; peptide; 30 AA.
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIBWLKNGG
 14-JAN-2000; 2000WO-US000902.
 exendin agonist SEQ ID NO 7.
 (first entry)
 1 match found in sequence:
 WO200041546-A2.
 20-FEB-2001
 20-JUL-2000
 Synthetic
 AAB11127;
```

to: 30

check: 4889 from: 1

AAB11126 standard; peptide; 30 AA

AAB11126;

SX B

match found in sequence:
aabill26; exendin agonist SEQ ID NO 6.
(from "seq5ags.pep")
TOIG of: aabill26 check: 4889 from:

```
AAB11137 standard; peptide; 28 AA
 Sequence 28 AA;
 TOIG of: aab11137
 H
 g
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 249
 AAB11134 Length: 28 February 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)
 aab11135 ; exendin agonist peptide SEQ ID NO 43.
 exendin agonist peptide SEQ ID NO 43.
 Kolterman O;
 Example 49; Page 127; 281pp; English
 Example 50; Page 128; 281pp; English
 check: 166 from: 1
 AAB11135 standard; peptide; 28 AA
 HAEGTFTSDLSKQLEEBAVRLFIBFLKN
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46.
WPI; 2000-514584/46.
 match found in sequence
 (from "seq5ags.pep")
TOIG of: aab11135 (
 Sequence 28 AA;
 WO200041546-A2
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 Young A,
 AAB11135
```

```
This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-Genolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensativity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agoniet; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
Type: P Check: 166
 Type: P Check: 231
 match found in sequence:
aab11137; exendin agonist peptide SEQ ID NO 45.
(from "seq5ags.pep")
 1 match found in sequence:
aab11136 ; exendin agonist peptide SEQ ID NO 44.
 to: 28
AAB11135 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
 February 4, 2005 13:32
 ö
 exendin agonist peptide SEQ ID NO 44.
 Example 51; Page 129; 281pp; English.
 from: 1
 Kolterman
 AAB11136 standard; peptide; 28 AA
 HGEGTATSDLSKQLEEBAVRLFIBFLKN
1
 AAB11136 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902
 (from "seq5ags.pep")
TOIG of: aab11136 check: 231
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46.
 Sequence 28 AA;
 WO200041546-A2
 20-JUL-2000.
 Synthetic
 AAB11136;
 Young A,
```

28

; to:

from: 1

check: 117

seq5\_ags.res

1 match

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 aab11134 ; exendin agonist peptide SEQ ID NO 42.
(from "seq5ags.pep")
TOIG of: aab11134 check: 249 from: 1 to: 28
 AAB11131 Length: 28 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
 Kolterman O;
 Young A, L'italien JJ, Kolterman O;
 exendin agonist peptide SEQ ID NO 42.
 Disclosure; Page 26; 281pp; English.
 AAB11134 standard; peptide; 28 AA
 |-----|
HGEGTFTSDLSKQLEEEAVRLAIEFLKN
1
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P,
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
 (first entry)
 check: 249
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC
 Young A, L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46
 match found in sequence:
 WO200041546-A2.
 Sequence 28 AA;
 WO200041546-A2
 20-FEB-2001
 20-JUL-2000
 20-JUL-2000.
 Synthetic
 AAB11134;
 Synthetic
 Exendin;
 Found using
This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes, plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin, agonist; treatment; antidiabetic; insulin Bensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Length: 28 February 4, 2005 13:32 Type: P Check: 261 og 'seg5' (mohamed337.key)
 to: 28
 28
 :
:
 Kolterman O;
 Disclosure; Page 26; 281pp; English.
 . match found in sequence:
aabl1130; exendin agonist SEQ ID NO 41.
(from "seq5ags.pep")
TOIG of: aabl1130 check: 261 from: 1
 check: 151 from: 1
 ω
 AAB11131 standard; peptide; 28 AA
 . match found in sequence:
aab11131 ; exendin agonist SEQ ID NO
 HGEGTFTSDLSKOLEEEAVRLFIEFLKN
1
 AAB11130 standard; peptide; 28
 exendin agonist SEQ ID NO 41
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 exendin agonist SEQ ID NO 8
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46
 (from "seq5ags.pep")
TOIG of: aab11131 (
 WO200041546-A2
 Sequence 28 AA;
 Found using 'seq5'
 20-FEB-2001
 20-FEB-2001
 20-JUL-2000
 Synthetic
 AAB11130;
 Young A,
 AAB11131
 AAB11130
```

SO CCCCCCC X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X

Type: P Check: 151

Sequence 28 AA;

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which activity. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 aab11141; exendin agonist peptide SEQ ID NO 49. (from "seq5ags.pep")
TOIG of: aab11141 check: 53 from: 1 to: 28
 1 match found in sequence:
aablil142; exendin agonist peptide SEQ ID NO 50.
(from "seq5ag.pep")
TOIG of: aablil42 check: 107 from: 1 to: 28
 Length: 28 February 4, 2005 13:32
'seq5' (mohamed337.key)
 exendin agonist peptide SEQ ID NO 49.
 Example 56; Page 133; 281pp; English
 Kolterman
 Z
 28
 AAB11141 standard; peptide; 28
 AAB11142 standard; peptide; 28
 HGEGTFTSDLSKALEEEAVRLFIEFLKN
 14-JAN-2000; 2000WO-US000902
 99US-0116380P
 10-JAN-2000; 2000US-0175365P
 (first entry)
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 or reducing food intake
 match found in sequence:
 WPI; 2000-514584/46.
 Sequence 28 AA;
 WO200041546-A2
 20-FEB-2001
 14-JAN-1999;
 20-JUL-2000.
 Synthetic
 AAB11142;
 AAB11141;
 Young A,
 Found using
 AAB11141
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a ubject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 63
 28 February 4, 2005 13:32 Type: P Check: 141 (mohamed337.key)
 Type: P
 . match found in sequence:
aabl1140; exendin agonist peptide SEQ ID NO 48.
(from "seq5ags.pep")
TOIG of: aabl1140 check: 141 from: 1 to: 28
 AAB11139 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
 Kolterman O;
 exendin agonist peptide SEQ ID NO 48.
 Example 55; Page 132; 281pp; English
 AAB11140 standard; peptide; 28 AA
 |----HGEGTFTSDLAKQLEEEAVRLFIEFLKN
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 or reducing food intake
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WO200041546-A2

Synthetic

20-JUL-2000

20-FBB-2001

AAB11140

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23

Check:

Type: P

WPI; 2000-514584/46.

Young A,

exendin agonist peptide SEQ ID NO

**HGEGTFTSDLSAQLEEEAVRLFIEFLKN** 

AAB11140 Length: 28 Found using 'seq5' (mc

Sequence 28 AA;

20-FEB-2001

· AAB11137;

14-JAN-1999;

Young A,

20-JUL-2000

Synthetic.

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes, plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P
 . match found in sequence:
aab11139 ; exendin agonist peptide SEQ ID NO 47.
 28
 28 February 4, 2005 13:32 (mohamed337.key)
 ö
 Example 53; Page 130; 281pp; English
 exendin agonist peptide SEQ ID NO 47.
 Kolterman O;
 Example 54; Page 131; 281pp; English.
 Kolterman
 from: 1
 Ą
 HGEGTFTSDASKQLEEEAVRLFIEFLKN
1
 AAB11139 standard; peptide; 28
14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 63
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 Young A, L'italien JJ,
 or reducing food intake
 check:
 WPI; 2000-514584/46
 WPI; 2000-514584/46.
 (from "seq5ags.pep")
TOIG of: aab11139 c
 Sequence 28 AA;
 WO200041546-A2
 Length:
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 Young A,
 AAB11139;
 AAB11138
 New
 #X##X#X#X#X####X
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 AAB11137 Length: 28 February 4, 2005 13:32 Type: P Check: 117 Found using 'seq5' (mohamed337.key)
 match found in sequence: aabili38 ; exendin agonist peptide SEQ ID NO 46.
 28
 Kolterman O;
 exendin agonist peptide SEQ ID NO 45
 Example 52; Page 130; 281pp; English
 exendin agonist peptide SEQ ID NO 46.
 from: 1
 AAB11138 standard; peptide; 28 AA
 HGEGTFTADLSKOLEEEAVRLFIEFLKN
1
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P, 10-JAN-2000; 2000US-0175365P,
 check: 151
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46
 (from "seq5ags.pep")
TOIG of: aab11138 o
 MO200041546-A2.
 Sequence 28 AA;
```

AAB11137

WO200041546-A2

Synthetic.

20-JUL-2000

20-FEB-2001

Check: 151

SXS

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders, which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 to: 28
 ID NO 55.
 AAB11146 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
 exendin agonist peptide SEQ ID NO 55.
 exendin agonist peptide SEQ ID NO 54.
 Kolterman O;
 Example 61; Page 137; 281pp; English
 from: 1
 aab11147 ; exendin agonist peptide SEQ
(from "seq5ags.pep")
TOIG of: aab11147 check: 9921 from:
 Z
 AAB11146 standard; peptide; 28 AA.
 HGEGTFTSDLSKQLEEEAARLFIEFLKN
1
 28
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 AAB11147 standard; peptide;
 20-FEB-2001 (first entry)
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 or reducing food intake
 Young A, L'italien JJ,
 match found in sequence:
 WPI; 2000-514584/46
 Sequence 28 AA;
 WO200041546-A2
 WO200041546-A2
 20-JUL-2000
 Synthetic
 Synthetic
 AAB11147;
 AAB11146;
 New
 This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 197
 Check: 193
 AAB11145 Length: 28 February 4, 2005 13:32 Type: P ound using 'seq5' (mohamed337.key)
 AAB11144 Length: 28 February 4, 2005 13:32 Type: P Found using '8eq5' (mohamed337.key)
 to: 28
 1 match found in sequence:
aabill46; exemin agonist peptide SEQ ID NO 54.
(from "segag.pep")
TOIG of: aabill46 check: 9862 from: 1 to: 28
 . match found in sequence:
aabl1145; exendin agonist peptide SEQ ID NO 53.
(from "seq5ags.pep")
TOIG of: aabl1145 check: 193 from: 1 to: 28
 exendin agonist peptide SEQ ID NO 53.
 Kolterman O;
 Example 60; Page 136; 281pp; English
 AAB11145 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEAEAVRLFIEFLKN
 HGEGTFTSDLSKQLEEAAVRLFIEFLKN
 14-JAN-2000; 2000WO-US000902.
 99US-0116380P
 10-JAN-2000; 2000US-0175365P
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
or reducing food intake
 WPI; 2000-514584/46.
 Sequence 28 AA;
 Sequence 28 AA;
 WO200041546-A2.
 Found using 'seq5'
 14-JAN-1999;
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 Young A,
 AAB11145;
```

Type: P Check: 9862

Fri

```
Length:
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000.
 Synthetic.
 Young A,
 AAB11144;
 AAB11143
 This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 28 February 4, 2005 13:32 Type: P Check: 107 (mohamed337.key)
 l match found in sequence:
aabl1143; exendin agonist peptide SEQ ID NO 51.
(from "seq5ags.pep")
TOIG of: aabl1143 check: 201 from: 1 to: 28
 Example 57; Page 133-134; 281pp; English
 Kolterman O;
 exendin agonist peptide SEQ ID NO 51.
 AAB11143 standard; peptide; 28 AA
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46
 AAB11142 Length: 28
 Sequence 28 AA;
 WO200041546-A2
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000
 20-JUL-2000
 Synthetic.
 Synthetic
 Young A,
 AAB11143
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes;
plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 201
 aab11144 ; exendin agonist peptide SEQ ID NO 52.
 to: 28
 28 February 4, 2005 13:32 (mohamed337.key)
 ö
 Kolterman O;
 Example 58; Page 134; 281pp; English
 exendin agonist peptide SEQ ID NO 52.
 Example 59; Page 135; 281pp; English
 Kolterman
 from: 1
 Ā
 HGEGTFTSDLSKQLAEEAVRLFIEFLKV
1
 AAB11144 standard; peptide; 28
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 (from "seq5ags.pep")
TOIG of: aab11144 check: 197
 (AMYL-) AMYLIN PHARM INC.
L'italien JJ,
 or reducing food intake
 Young A, L'italien JJ,
 1 match found in sequence:
 WPI; 2000-514584/46.
 WPI; 2000-514584/46.
 28
 Sequence 28 AA;
 WO200041546-A2
```

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensativity of a subject to insulin to treat diabetes and disorders would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 9975
 match found in sequence:
aab11152; exendin agonist peptide SEQ ID NO 60.
(from "seq5ags.pep")
TOIG of: aab11152 check: 9991 from: 1 to: 28
 to: 28
 AAB11151 Length: 28 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
exendin agonist peptide SEQ ID NO 59.
 Kolterman O;
 exendin agonist peptide SEQ ID NO 60.
 Example 66; Page 140; 281pp; English
 28 AA
 HGEGTFTSDLSKQLEEEAVRLFIBPAKN
1
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 AAB11152 standard; peptide;
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46
 Sequence 28 AA;
 WO200041546-A2.
 WO200041546-A2.
 20-JUL-2000.
 20-JUL-2000.
 Synthetic.
 Synthetic
 AAB11152;
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which have plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11150 Length: 28 February 4, 2005 13:32 Type: P Check: 136 Found using 'seq5' (mohamed337.key)
 to: 28
 match found in sequence:
aabl1150; exendin agonist peptide SEQ ID NO 58.
(from "seq5ags.pep")
TOIG of: aabl1150 check: 136 from: 1 to: 28
 aab11151 ; exendin agonist peptide SEQ ID NO
 (from "seq5ags.pep")
 TOIG of: aab11151 check: 9975 from: 1 to:
 exendin agonist peptide SEQ ID NO 58.
 Kolterman O;
 Example 65; Page 140; 281pp; English
 AAB11150 standard; peptide; 28 AA
 28 AA
 HGEGTFTSDLSKQLEEEAVRLFIAFLKN 28
 HGEGTPTSDLSKQLEEEAVRLFIEALKN
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 AAB11151 standard; peptide;
 check: 9975
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 or reducing food intake
 match found in sequence:
 WPI; 2000-514584/46.
 Sequence 28 AA;
 WO200041546-A2
 20-FEB-2001
 20-FEB-2001
 20-JUL-2000
 Synthetic
 Young A,
 AAB11151;
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AAB11149 Length: 28 February 4, 2005 13:32 Type: P Check: 165 Found using 'seq5' (mohamed337.key)
 Example 63; Page 138; 281pp; English
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which as a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11147 Length: 28 February 4, 2005 13:32 Type: P Check: 9921 'ound using 'seq5' (mohamed337.key)
 plasma glucose; gastric emptying; food intake
 aab11148; exendin agonist peptide SEQ ID NO 56. (from "seq5ags.pep")
TOIG of: aab11148 check: 30 from: 1 to: 28
 Kolterman O;
 Example 62; Page 137; 281pp; English.
 exendin agonist peptide SEQ ID NO 56.
 ö
 Kolterman
 HGEGTFTSDLSKQLEEEAVALFIEFLKN
1
 AAB11148 standard; peptide; 28
 14-JAN-2000; 2000WO-US000902.
 99US-0116380P
 10-JAN-2000; 2000US-0175365P
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 reducing food intake
 L'italien JJ,
 found in sequence:
 WPI; 2000-514584/46
 WPI; 2000-514584/46
 formulations
 Sequence 28 AA;
 WO200041546-A2
 14-JAN-1999;
 Found using 'seq5'
20-JUL-2000
 20-FEB-2001
 20-JUL-2000
 Synthetic
 Young A,
 Young A,
 match
```

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P
 match found in sequence:
aabil149 ; exendin agonist peptide SEQ ID NO 57.
 to: 28
 2005 13:32
 exendin agonist peptide SEQ ID NO 57.
 Kolterman O;
 Example 64; Page 139; 281pp; English.
 from: 1
 Z
 HGEGTFTSDLSKQLEEEAVRAFIEFLKN
1
 February 4,
 AAB11149 standard; peptide; 28
 Length: 28 February 4 'seq5' (mohamed337.key
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
 check: 165
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 or reducing food intake
 WPI; 2000-514584/46.
 (from "seq5ags.pep")
TOIG of: aab11149
 Sequence 28 AA;
 Sequence 28 AA;
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 AAB11149;
 AAB11148
```

Fri Feb

seq5\_ags.res

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used
 Type: P Check: 3293
 to: 37
 65
 AAB11156 Length: 37 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
 match found in sequence:
aablils7; exendin agonist peptide SEQ ID NO
(from "seq5ags.pep")
TOIG of: aablils7 check: 2854 from: 1 to:
 |-----|
HGEGTFTSDLSKQMEBEAVRLFIEWLKNGGPSSGAPP
 ö
 ö
 exendin agonist peptide SEQ ID NO 65.
 Example 71, Page 144; 281pp; English
 Kolterman
 Kolterman
 37 AA
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000902
 99US-0116380P
 10-JAN-2000; 2000US-0175365P
 AAB11157 standard; peptide;
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 or reducing food intake
 Young A, L'italien JJ,
 L'italien JJ,
 WPI; 2000-514584/46.
 WPI; 2000-514584/46
 Sequence 37 AA;
WO200041546-A2.
 WO200041546-A2
 14-JAN-1999;
 20-JUL-2000
 20-JUL-2000
 Synthetic
 AAB11157;
 Young A,
 New
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose; gastric emptying; food intake.
 Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Length: 38 February 4, 2005 13:32 Type: P Check: 5894 g 'seq5' (mohamed337.key)
 to: 38
 to: 37
 1 match found in sequence:
aablil56 ; exendin agonist peptide SEQ ID NO 64.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPPP
 exendin agonist peptide SEQ ID NO 64.
 Kolterman 0;
 exendin agonist peptide SEQ ID NO 63.
 Example 70; Page 143; 281pp; English
 from: 1
 from: 1
 37 AA.
 AAB11155 standard; peptide; 38 AA
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 AAB11156 standard; peptide;
 check: 5894
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 check:
 WPI; 2000-514584/46.
(from "seq5ags.pep")
TOIG of: aab11155 c
 (from "seq5ags.pep"
TOIG of: aab11156
 Sequence 38 AA;
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-FEB-2001
 20-JUL-2000
 Synthetic
 Synthetic
 Young A,
 AAB11156;
 AAB11155
 AAB11155
```

Fri Feb

```
would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 1 match found in sequence:
aab11155; exendin agonist peptide SEQ ID NO
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 check: 6333
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 or reducing food intake
 Young A, L'italien JJ,
 or reducing food intake
 1 match found in sequence
 WPI; 2000-514584/46.
 (from "seq5ags.pep")
TOIG of: aab11154 c
 Sequence 28 AA;
 Sequence 38 AA;
 WO200041546-A2
 Length:
 Found using 'seq5'
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 AAB11154;
 AAB11153
 883333
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which mas a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which
 Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Length: 28 February 4, 2005 13:32 Type: P Check: 9991
ng 'seg5' (mohamed337.key)
 61.
 to: 28
 õ
 Kolterman O;
 Example 67; Page 141; 281pp; English.
 aabl1153 ; exendin agonist peptide SEQ ID
(from "seq5ags.pep")
 exendin agonist peptide SEQ ID NO 61.
 Kolterman O;
 Example 68; Page 142; 281pp; English.
 from: 1
 AAB11153 standard; peptide; 28 AA
 HGEGTFTSDLSKQLEEEAVRLFIEFLAN
 14-JAN-2000; 2000WO-US000902
 99US-0116380P
 10-JAN-2000; 2000US-0175365P
 check: 9897
 (first entry)
(AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 L'italien JJ,
 match found in sequence:
 WPI; 2000-514584/46.
 WPI; 2000-514584/46.
 Sequence 28 AA;
 WO200041546-A2.
 TOIG of: aab11153
 Found using 'seq5'
 14-JAN-1999;
 20-FEB-2001
 20-JUL-2000
 Synthetic
 AAB11153;
 Young A,
 Young A,
 AAB11152
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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which have plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 9897
 Type: P Check: 6333
Type: P
 38
 aab11154 ; exendin agonist peptide SEQ ID NO 62.
 t0:
 AAB11154 Length: 38 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
 2005 13:32
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPPP
 exendin agonist peptide SEQ ID NO 62.
 Kolterman O;
 Example 69; Page 143; 281pp; English.
 AAB11154 standard; peptide; 38 AA.
 |-----HGEGTFTSDLSKQLEBERAVRLFIEFLKA
| HGEGTFTSDLSKQLEBERAVRLFIEFLKA
 28 February 4,
(mohamed337.key)
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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 This invention describes a novel formulation (I) comprising an exendin exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic
 Type: P Check: 7014
 . match found in sequence:
aabl1162; exendin agonist peptide SEQ ID NO 70.
(from "seq5ags.pep")
TOIG of: aabl1162 check: 5178 from: 1 to: 34
 to: 34
 AAB11161 Length: 35 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
 |-----|
HGEGTFTSDLSKQLEEBAVRLFIEFLKNGGPSSGA
 ö
 Kolterman O
 exendin agonist peptide SEQ ID NO 70.
 Example 77; Page 149; 281pp; English.
 Example 76; Page 148; 281pp; English
 Kolterman
 34 AA
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
10-JAN-2000; 2000US-0175365P
 AAB11162 standard; peptide;
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC
 Young A, L'italien JJ,
 L'italien JJ,
 WPI; 2000-514584/46
 WPI; 2000-514584/46
 Sequence 35 AA;
 WO200041546-A2
 Found using 'seq5'
 20-JUL-2000.
 Synthetic
 AAB11162;
 Young A,
 New
 New
 1 match
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11160 Length: 35 February 4, 2005 13:32 Type: P Check: 7453 Found using 'seq5' (mohamed337.key)
 to: 35
 69
 aab11161 ; exendin agonist peptide SEQ ID NO
 (from "seq5ags.pep")
TOIG of: aab11161 check: 7014 from: 1 to:
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGA
 exendin agonist peptide SEQ ID NO 68.
 Kolterman O;
 exendin agonist peptide SEQ ID NO 69.
 Example 75; Page 147; 281pp; English
 35 AA.
 99US-0116380P
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902
 AAB11161 standard; peptide;
(first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 or reducing food intake
 match found in sequence:
 WPI; 2000-514584/46.
 Sequence 35 AA;
 WO200041546-A2.
 WO200041546-A2
 14-JAN-1999;
20-FEB-2001
 20-JUL-2000
 20-FEB-2001
 20-JUL-2000
 Synthetic
 Synthetic
```

AAB11161;

2×4×4×4×8×4×4×4×4×4×4×4

Young A,

ö

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This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 2854
 plasma glucose; gastric emptying; food intake
 l match found in sequence:
aablils8 ; exendin agonist peptide SEQ ID NO 66.
(from "seq5ags.pep")
TOIG Of: aablils8 check: 333 from: 1 to: 36
 Length: 37 February 4, 2005 13:32 19 'seq5' (mohamed337.key)
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAPP
 exendin agonist peptide SEQ ID NO 66.
 Example 72; Page 145; 281pp; English.
 Kolterman O;
 Example 73; Page 146; 281pp; English,
 AAB11158 standard; peptide; 36 AA
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46.
 Sequence 37 AA;
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000
 Synthetic.
 AAB11158;
 Young A,
 AAB11157
 New
£X8X000000000X8
```

AAB11158 Length: 36 February 4, 2005 13:32 Type: P Check: 333

Sequence 36

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 9894
 to: 36
 35
 1 match found in sequence:
aab11159 ; exendin agonist peptide SEQ ID NO 67.
 aabil160 ; exendin agonist peptide SEQ ID NO 68.
 t0:
 AAB11159 Length: 36 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
 Example 74; Page 146-147; 281pp; English
 HGEGTFTSDLSKQMEEEAVRLF1EWLKNGGPSSGAP
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSGAP
 exendin agonist peptide SEQ ID NO 67.
 Kolterman O;
 from: 1
 AAB11159 standard; peptide; 36 AA
 AAB11160 standard; peptide; 35 AA
Found using 'seq5' (mohamed337.key)
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P.
 (from "seq5ags.pep")
TOIG of: aab11159 check: 9894
 (first entry)
 check: 7453
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46.
 1 match found in sequence:
 n "seq5ags.pep")
of: aab11160 c
 WO200041546-A2
 Sequence 36 AA;
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 AAB11159;
 AAB11160
 AAB11159
 (from
 BXXX
```

Check: 25

Type: P

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which as a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 to: 32
 75.
 February 4, 2005 13:32
 match found in sequence:
aab11167; exendin agonist peptide SEQ ID NO
(from "seq5ags.pep")
TOIG of: aab11167 check: 9586 from: 1 to:
 Kolterman O;
 Example 82; Page 153; 281pp; English.
 exendin agonist peptide SEQ ID NO 75.
 Example 81; Page 152; 281pp; English.
 |-----|
HGEGTFTSDLSKQMEERAVRLFIEWLKNGGPS
 AAB11167 standard; peptide; 32 AA
 AAB11166 Length: 32 February 4, Found using 'seq5' (mohamed337.key)
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46.
 Ź
 Sequence 32 AA;
 WO200041546-A2,
 20-JUL-2000.
 Sequence 32
 Synthetic
 AAB11167;
 New
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 2325
 Type: P
 1 match found in sequence:
aab11166 ; exendin agonist peptide SEQ ID NO 74.
 AAB11165 Length: 33 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
 ::
::
 Kolterman O;
 exendin agonist peptide SEQ ID NO 74.
 Kolterman O;
 Example 80; Page 151; 281pp; English
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSS
 from: 1
 AAB11166 standard; peptide; 32
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 L'italien JJ,
 check:
 WPI; 2000-514584/46.
 WPI; 2000-514584/46
 (from "seq5ags.pep")
TOIG of: aab11166
 Sequence 33 AA;
 WO200041546-A2
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000
 20-JUL-2000.
 Synthetic.
 Synthetic
 Young A,
 AAB11166;
 found A,
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activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Length: 34 February 4, 2005 13:32 Type: P Check: 5178
9 'seq5' (mohamed337.key)
 to: 34
 exendin agonist peptide SEQ ID NO 71.
 Example 78; Page 149-150; 281pp; English
 ö
 exendin agonist peptide SEQ ID NO 71
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSG
 from: 1
 Kolterman
 AAB11163 standard; peptide; 34 AA
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902
 check: 4739
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 reducing food intake
 found in sequence:
 WPI; 2000-514584/46.
 aab11163 ; exemumab11163 ; exemumab11163 ; exemumab11163 ;
 Sequence 34 AA;
 Sequence 34 AA;
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000
 Synthetic
 AAB11163
 Young A,
 AAB11162
 1 match
 88888888
```

AAB11163 Length: 34 February 4, 2005 13:32 Type: P Check: 4739 Found using 'seq5' (mohamed337.key)

HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPSSG

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 2764
 to: 33
match found in sequence:
aab11164 ; exendin agonist peptide SEQ ID NO 72.
 aab11165 ; exendin agonist peptide SEQ ID NO 73. (from "seq5ags.pep")
TOIG of: aab11165 check: 2325 from: 1 to: 33
 AAB11164 Length: 33 February 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
 Young A, L'italien JJ, Kolterman O;
 exendin agonist peptide SEQ ID NO 72.
 Example 79; Page 150; 281pp; English.
 exendin agonist peptide SEQ ID,NO 73.
 from: 1
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSS
 Æ
 Æ
 AAB11164 standard; peptide; 33
 AAB11165 standard; peptide; 33
 14-JAN-2000; 2000WO-US000902,
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 check: 2764
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 or reducing food intake
 WPI; 2000-514584/46.
 match found in sequence:
 (from "seq5ags.pep")
TOIG of: aab11164 (
 Sequence 33 AA;
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000,
 20-FEB-2001
 Synthetic
 AAB11164;
 AAB11165;

```

Fri Feb

```
. match found in sequence:
aabl1172; exendin agonist peptide SEQ ID NO 80.
(from "seq59gs.pep")
TOIG of: aabl1172 check: 2320 from: 1 to: 29
 to: 29
 Length: 29 February 4, 2005 13:32
g 'seq5' (mohamed337.key)
 AAB11171 Length: 29 February 4, 2005 13:32 Found using 'seq5' (mohamed337.key)
 ö
 Example 87; Page 156; 281pp; English.
 Kolterman
 exendin agonist peptide SEQ ID NO
 Ź
 |-----|
HGEGTFTSDLSKQMEEEAVRLFIEWLKNG
1
 |-----|
HGEGTFTSDLSKQLEEEAVRLFIEFLKNG
1
 29
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P.
 AAB11172 standard; peptide;
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 or reducing food intake
 Young A, L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46.
 Sequence 29 AA;
 Sequence 29 AA;
 WO200041546-A2
 20-JUL-2000.
 Synthetic
 AAB11172;
 Found using
 88888888
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 ö
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 This invention describes a novel formulation (I) comprising an exendin
 Check: 4450
 Type: P
 aab11171 ; exendin agonist peptide SEQ ID NO 79.
(from "seq5ags.pep")
TOIG of: aab11171 check: 2759 from: 1 to: 29
 to: 29
 AAB11170 Length: 30 Pebruary 4, 2005 13:32 ound using 'seq5' (mohamed337.key)
 Kolterman O;
 Kolterman O;
 exendin agonist peptide SEQ ID NO 79
 Example 85; Page 155; 281pp; English
 Example 86; Page 156; 281pp; English
 HGEGTFTSDLSKOLEEEAVRLFIEFLKNGG
 53
 14-JAN-1999; '99US-01163B0P.
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 AAB11171 standard; peptide;
 entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 L'italien JJ,
 or reducing food intake
 match found in sequence:
 (first
 WPI; 2000-514584/46
 Sequence 30 AA;
 WO200041546-A2
 20-JUL-2000
 20-PBB-2001
 Synthetic
 Young A,
 Young A,
 AAB11171,
 Pound
 CXSXTTXBXBXBXBXBXBXBXBXBXBXBXBXCCX
```

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma Jucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 2759
 Check: 2320
 Type: P
 Type: P
```

1 match

```
This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which acts a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11169 Length: 31 February 4, 2005 13:32 Type: P Check: 6930 ound using 'seq5' (mohamed337.key)
 30
 aab11170 ; exendin agonist peptide SEQ ID NO 78.
(from "seq5ags.pep")
TOIG of: aab11170 check: 4450 from: 1 to: 30
 exendin agonist peptide SEQ ID NO 77.
 Young A, L'italien JJ, Kolterman O;
 Example 84; Page 154; 281pp; English.
 exendin agonist peptide SEQ ID NO 78.
 Ä.
 HGEGTFTSDLSKQLEBEAVRLFIEFLKNGGP
 AAB11170 standard; peptide; 30
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 or reducing food intake
 1 match found in sequence:
 WPI; 2000-514584/46.
 Sequence 31 AA;
 WO200041546-A2
 WO200041546-A2
 Found using 'seq5'
 20-FEB-2001
 20-FEB-2001
 20-JUL-2000.
 20-JUL-2000
 Synthetic
 Synthetic
AAB11169;
 AAB11170;
HX G X B X S X M X B X B X B X Y X Y X D
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 9586
 AAB11168 Length: 31 February 4, 2005 13:32 Type: P Check: 7369 Found using 'seq5' (mohamed337.key)
 AAB11167 Length: 32 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
 to: 31
 match found in sequence:
aabl1169; exendin agonist peptide SEQ ID NO 77.
(from "seq5ags.pep")
TOIG of: aabl1169 check: 6930 from: 1 to: 31
 to: 31
 NO 76.
 . match found in sequence:
aablil68; exendin agonist peptide SEQ ID)
(from "seq5ags.pep")
TOIG of: aablil68 check: 7369 from: 1
 exendin agonist peptide SEQ ID NO 76.
 Kolterman O;
 Example 83; Page 153; 281pp; English.
 HGEGTFTSDLSKQLEEEAVRLFIEFLKNGGPS
 AAB11169 standard; peptide; 31 AA.
 AAB11168 standard; peptide; 31 AA
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGP
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46.
 Sequence 31 AA;
 WO200041546-A2
 20-FEB-2001
 20-JUL-2000
 Synthetic.
 AAB11168;
 Young A,
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New

SX C C C C C C C C X S X X I X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B X B

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Synthetic
 AAB11177;
 Found using
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 3541
 AAB11175 Length: 37 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
 to: 37
 1 match found in sequence:
aabl1176 ; exendin agonist peptide SEQ ID NO 84.
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGXSSGAPP
 exendin agonist peptide SEQ ID NO 84.
 Kolterman O
 Example 91; Page 160; 281pp; English
 Example 90; Page 159; 281pp; English
 from: 1
 37 AA
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902
 AAB11176 standard; peptide;
 check: 4125
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46
 WPI; 2000-514584/46.
 (from "seq5ags.pep")
TOIG of: aab11176 o
 Sequence 37 AA;
 WO200041546-A2.
 20-JUL-2000
 20-FEB-2001
 Synthetic.
 Young A,
 AAB11176;
```

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 4125
 Type: P
 Type: P
 plasma glucose; gastric emptying; food intake.
 to: 37
 1 match found in sequence:
aab11178 ; exendin agonist peptide SEQ ID NO 86.
 match found in sequence:
aabl1177; exendin agonist peptide SEQ ID NO 85.
[from "seq5ags.pep"]
TOIG of: aabl1177 check: 3293 from: 1 to: 37
 to: 36
 37 February 4, 2005 13:32 (mohamed337.key)
 2005 13:32
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGAPP
 HGEGTFTSDLSKOMEEEAVRLFIEWLKNGGXSSGAXX
 Kolterman O;
 exendin agonist peptide SEQ ID NO 85.
 Example 92; Page 160; 281pp; English.
 from: 1
 AAB11177 standard; peptide; 37 AA
 37 February 4, (mohamed337.key,
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 check: 333
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46.
 AAB11176 Length: 37
 Length: 37
3 'seq5' (mo
 (from "seq5ags.pep")
TOIG of: aab11178 c
 Sequence 37 AA;
Sequence 37 AA;
 WO200041546-A2.
 Found using 'seq5'
 20-JUL-2000.
```

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plasma glucose; gastric emptying; food intake.
 Young A, L'italien JJ, Kolterman O;
 (AMYL-) AMYLIN PHARM INC
 Sequence 38 AA;
 WO200041546-A2
 WO200041546-A2.
 20-JUL-2000
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 Synthetic.
 AAB11175;
 Found
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11173 Length: 38 February 4, 2005 13:32 Type: P Check: 6333 Found using 'seq5' (mohamed337.key)
 to: 38
 1 match found in sequence:
 aabl1173 ; exendin agonist peptide SEQ ID NO 81.
 (from "seq5ags.pep")
 TOIG of: aabl1173 check: 6333 from: 1 to: 38
 to: 38
 match found in sequence:
 |-----
HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
 Kolterman O;
 exendin agonist peptide SEQ ID NO 81
 Example 88; Page 157; 281pp; English
 exendin agonist peptide SEQ ID NO 82
 check: 6333 from: 1
 AAB11173 standard; peptide; 38 AA
 AAB11174 standard; peptide; 38 AA
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46
 (from "seq5ags.pep")
TOIG of: aab11174 o
 WO200041546-A2.
 Sequence 38 AA;
 14-JAN-1999;
 20-FEB-2001
 20-FEB-2001
 20-JUL-2000
 Synthetic.
 AAB11173
 Exendin;
 Young A,
```

```
This invention describes a novel formulation (I) comprising an exendin or exendin aganist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the ensistivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 treatment; antidiabetic; insulin sensitivity; diabetes; astric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 6333
 1 match found in sequence:
aablil75; exendin agonist peptide SEQ ID NO 83.
(from "segsags.pep")
TOIG Of: aablil75 check: 3541 from: 1 to: 37
 1174 Length: 38 February 4, 2005 13:32 using 'seq5' (mohamed337.key)
 HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAPPP
 ö
 exendin agonist peptide SEQ ID NO 83.
 Example 89; Page 158; 281pp; English
 Kolterman
 AAB11175 standard; peptide; 37 AA
14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 Exendin; agonist; treatm
plasma glucose; gastric
 or reducing food intake
 WPI; 2000-514584/46.
```

Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.

Synthetic

exendin agonist peptide SEQ ID NO 90.

20-FEB-2001 (first entry)

AAB11182;

. match found in sequence:
aabilis2; exendin agonist peptide SEQ ID NO 90.
(from "seq5ags.pep")
TOIG of: aabilis2 check: 693 from: 1 to: 28

HGEGTATSDLSKQLEEEAVRLFIEFLKN

AAB11182 standard; peptide; 28 AA

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 4886
 AAB11180 Length: 30 February 4, 2005 13:32 Type: P
Found using 'seq5' (mohamed337.key)
 match found in sequence:
aabl1181; exendin agonist peptide SEQ ID NO 89.
(from "seq5ags.pep")
TOIG of: aabl1181 check: 231 from: 1 to: 28
 Example 96; Page 163-164; 281pp; English
 Kolterman O;
 exendin agonist peptide SEQ ID NO 89.
 AAB11181 standard; peptide; 28 AA
 HGDGTFTSDLSKQMEBEAVRLF1EWLKNGG
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 or reducing food intake
 or reducing food intake
 WPI; 2000-514584/46
 Sequence 30 AA;
 WO200041546-A2
 20-FEB-2001
 20-JUL-2000
 Synthetic
 foung A,
 AAB11181;
 X88888888888X8
```

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 693
 1 match found in sequence:
aablil83; exendin agonist peptide SEQ ID NO 91.
(grom "seq598;pep")
TOIG of: aablil83 check: 701 from: 1 to: 28
 February 4, 2005 13:32
 ö
 exendin agonist peptide SEQ ID NO 91.
 Example 97; Page 164; 281pp; English.
 Z
 |-----|
HGEGTFSSDLSKQMEBEAVRLFIEWLKN
1
 AAB11183 standard; peptide; 28
 AAB11182 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46
 Sequence 28 AA;
 WO200041546-A2.
 20-JUL-2000.
 AAB11183;
品数は数数は数
```

231

check:

AAB11181 Length: 28 Pebruary 4, 2005 13:32 Type: P Found using 'seq5' (mohamed337.key)

AAB11178

```
This invention describes a novel formulation (I) comprising an exendin or exendin aganist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 7463
 30
 . match found in sequence:
aabl1180; exendin agonist peptide SEQ ID NO 88.
(from "seq5ags.pep")
TOIG of: aabl1180 check: 4886 from: 1 to: 30
 2005 13:32
 RGEGTFTSDLSKOMEEEAVRLFIEWLKNGGPSSGA
 Kolterman O;
 Kolterman O;
 exendin agonist peptide SEQ ID NO 88.
 Example 94; Page 162; 281pp; English
 Example 95; Page 163; 281pp; English.
 AAB11180 standard; peptide; 30 AA
 AAB11179 Length: 35 February 4,
Found using 'seq5' (mohamed337.key)
 14-JAN-2000; 2000WO-US000902
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 Young A, L'italien JJ,
 WPI; 2000-514584/46.
 Sequence 35 AA;
 WO200041546-A2
 14-JAN-1999;
 20-FEB-2001
 20-JUL-2000
 Synthetic
 AAB11180;
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 formulations comprising an exendin or exendin agonist peptide used increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11178 Length: 36 February 4, 2005 13:32 Type: P Check: 333 Found using 'seq5' (mohamed337.key)
 . match found in sequence:
aabl1179; exendin agonist peptide SEQ ID NO 87.
(from "seq5ags.pep")
TOIG of: aabl1179 check: 7463 from: 1 to: 35
 to: 35
 |------HGEGTFTSDLSKQMEEEAVRLFIEWLKNGGPSSGAP
 Kolterman O;
 exendin agonist peptide SEQ ID NO 86.
 Example 93; Page 161; 281pp; English
 exendin agonist peptide SEQ ID NO 87
AAB11178 standard; peptide; 36
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P,
10-JAN-2000; 2000US-0175365P,
 AAB11179 standard; peptide;
 (first entry)
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 WPI; 2000-514584/46
 Sequence 36 AA;
 WO200041546-A2
 WO200041546-A2
 20-FEB-2001
 20-FEB-2001
 20-JUL-2000
 20-JUL-2000
 Synthetic.
 Synthetic
```

Young A,

AAB11179

Found using

SXXX

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying, food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 agonist peptide SEQ ID NO 96.
to: 28
 to: 28
 2005 13:32
 Example 102; Page 168; 281pp; English
 ö
 exendin agonist peptide SEQ ID NO 96.
 exendin agonist peptide SEQ ID NO 95.
from: 1
 from: 1
 Z
 AAB11187 standard; peptide; 28
 HGEGTFTSDLSKQMEBEBAVRLFGEWLKN
 AAB11188 standard; peptide; 28
 28 February 4, (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 (first entry)
check: 654
 20-FEB-2001 (first entry)
 check: 237
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 1 match found in sequence aab11188 ; exendin agonis
 WPI; 2000-514584/46
 (from "seq5ags.pep")
TOIG of: aab11188 c
TOIG of: aab11187
 WO200041546-A2
 Sequence 28 AA
 WO200041546-A2
 Length:
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 Synthetic
 AAB11188;
 AAB11187;
 Found using
 BXSXXXXXXXXXXXX
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to trast diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
which would benefit from agents that delay and/or slow gastric emptying
or reducing food intake
 Check: 151
 check:
 Type: P
 Type: P
 aab11187 ; exendin agonist peptide SEQ ID NO 95.
(from "seq5ags.pep")
 aabl1186 ; exendin agonist peptide SEQ ID NO 94.
(from "seq5ags.pep")
TOIG of: aabl1186 check: 151 from: 1 to: 28
 2005 13:32
 Length: 28 February 4, 2005 13:32 19 'seq5' (mohamed337.key)
 Example 101; Page 167; 281pp; English.
 exendin agonist peptide SEQ ID NO 94.
 Kolterman O;
 28 AA
 HGEGTFTSDLSKQLEEEAVRLAIEFLKN
1
 HGEGTFTSDGSKQLEEEAVRLFIEFLKŇ
 AAB11186 Length: 28 February 4, Found using 'seq5' (mohamed337.key)
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000902
 AAB11186 standard; peptide;
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 1 match found in sequence:
 1 match found in sequence:
 WPI; 2000-514584/46
 Sequence 28 AA;
 Sequence 28 AA;
 WO200041546-A2
 20-FEB-2001
 20-JUL-2000
 Synthetic.
 Young A,
 AAB11186
```

Type: P Check: 654

ö

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders
 Exendin, agonist, treatment, antidiabetic, insulin sensitivity, diabetes, plasma glucose, gastric emptying, food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11184 Length: 28 February 4, 2005 13:32 Type: P Check: 649 ound using 'seq5' (mohamed337.key)
 1 match found in sequence:
aablil85; exendin agonist peptide SEQ ID NO 93.
(from "segags.pep")
TOIG Of: aablil85 check: 211 from: 1 to: 28
 Example 100; Page 167; 281pp; English.
 Kolterman O;
 Example 99; Page 166; 281pp; English
 exendin agonist peptide SEQ ID NO 93.
 Kolterman
 AAB11185 standard; peptide; 28
 HGEGTFTSELSKOMAEEAVRLFIEWLKN
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 L'italien JJ,
 or reducing food intake
 WPI; 2000-514584/46.
 WPI; 2000-514584/46.
 Sequence 28 AA;
 WO200041546-A2.
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000,
 Synthetic.
 Young A,
 AAB11185;
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity, diabetes; plasma glucose; gastric emptying; food intake.
 Exendin, agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11183 Length: 28 February 4, 2005 13:32 Type: P Check: 701 Found using 'seq5' (mohamed337.key)
 aab11184; exendin agonist peptide SEQ ID NO 92. (from "seq5ags.pep")
TOIG of: aab11184 check: 649 from: 1 to: 28
 Kolterman O;
 Example 98; Page 165; 281pp; English.
 exendin agonist peptide SEQ ID NO 92
 AAB11184 standard; peptide; 28 AA
 |------|
HGEGTFSTDLSKQMEEEAVRLFIEWLKN
1
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-1999; 99US-0116380P.
 14-JAN-2000; 2000WO-US000902
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 match found in sequence:
 WPI; 2000-514584/46
 Sequence 28 AA;
 WO200041546-A2
 WO200041546-A2
 20-FEB-2001
 20-JUL-2000
 20-JUL-2000
 Synthetic.
 Synthetic
 AAB11184;
 Young A,
```

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This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agoniet, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Type: P Check: 254
 aab11193; exendin agonist peptide SEQ ID NO 101. (from "seq5ags.pep")
TOIG of: aab11193 check: 249 from: 1 to: 28
 February 4, 2005 13:32
 exendin agonist peptide SEQ ID NO 101.
 exendin agonist peptide SEQ ID NO 100
 Example 109; Page 173; 281pp; English
 Kolterman O;
 AAB11193 standard; peptide; 28 AA
 AGEGTPTSDLSKQLEEEAVRLFIEFLKN 28
 28 February 4, (mohamed337.key)
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 match found in sequence:
 WPI; 2000-514584/46.
 Sequence 28 AA;
 WO200041546-A2.
 WO200041546-A2
 AAB11192 Length:
Found using 'seq5'
 20-FEB-2001
 20-JUL-2000.
 20-JUL-2000.
 Synthetic.
 Synthetic
 AAB11193;
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin, agonist, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 AAB11191 Length: 37 February 4, 2005 13:32 Type: P Check: 3183 ound using 'seq5' (mohamed337.key)
 aabl1192 ; exendin agonist peptide SEQ ID NO 100.
(from "seq5ags.pep")
TOIG of: aabl1192 check: 254 from: 1 to: 28
 to: 37
 NO 99.
 HGEGTFTSDASKQMEERAVRLFIEWLKNGGPSSGAPP
 Example 106; Page 171; 281pp; English.
 1 match found in sequence:
aablil91 ; exendin agonist peptide SEQ ID
(from "seq59gs.pep,"
TOIG of: aablil91 check: 3183 from: 1
 Kolterman 0;
 exendin agonist peptide SEQ ID NO 99
 AAB11192 standard; peptide; 28 AA
 37 AA
 HGEGTFTSDASKOMEEEAVRLFIEWLKNG
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000902
 AAB11191 standard; peptide;
 20-FEB-2001 (first entry)
 (AMYL-) AMYLIN PHARM INC
 L'italien JJ,
 reducing food intake
 match found in sequence:
 WPI; 2000-514584/46.
 Sequence 37 AA;
 WO200041546-A2.
 Found using 'seq5'
 20-FEB-2001
 20-JUL-2000
 Young A,
 AAB11192;
 AAB11191,
```

8 X X X B

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AAB11190 Length: 29 February 4, 2005 13:32 Type: P Check: 2649 Found using 'seq5' (mohamed337.key)
 Sequence 33 AA;
 Sequence 29 AA;
 WO200041546-A2
 20-FEB-2001
 20-JUL-2000.
 Synthetic
 AAB11190;
 This invention describes a novel formulation (1) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying or reducing food intake
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Exendin; agonist; treatment; antidiabetic; insulin sensitivity; diabetes;
 AAB11188 Length: 28 February 4, 2005 13:32 Type: P Check: 237
Found using 'seq5' (mohamed337.key)
 plasma glucose; gastric emptying; food intake.
 to: 33
 found in sequence:
89 ; exendin agonist peptide SEQ ID NO
 Example 103; Page 168; 281pp; English.
 Kolterman O;
 ö
 exendin agonist peptide SEQ ID NO 97.
 check: 2215 from: 1
 Kolterman
 AAB11189 standard; peptide; 33 AA
 HGEGTFTSDLSKQLEEEAVRLFIDFLKN
1
 14-JAN-1999; 99US-0116380P
10-JAN-2000; 2000US-0175365P
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 14-JAN-2000; 2000WO-US000902
 14-JAN-2000; 2000WO-US000902
 (first entry)
 (AMYL-) AMYLIN PHARM INC
 (AMYL-) AMYLIN PHARM INC.
 L'italien JJ,
 L'italien JJ,
 WPI; 2000-514584/46
 WPI; 2000-514584/46
 aabili89 ; exendin ag
(from "seq5ags.pep")
TOIG of: aabili89 c
 WO200041546-A2
 20-JUL-2000
 Sequence 28
 20-FEB-2001
 20-JUL-2000
 Synthetic
 AAB11189;
 Young A,
 Young A,
 match
```

```
This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 This invention describes a novel formulation (I) comprising an exendin or exendin agonist peptide, a buffer and an iso-osmolality modifier which has a pH of 3-7. The products of the invention have antidiabetic activity. The exendin or exendin agonist is used to increase the sensitivity of a subject to insulin to treat diabetes and disorders which would benefit from agents which lower plasma glucose levels and disorders which would benefit from agents that delay and/or slow gastric emptying
 Exendin; agoniet, treatment, antidiabetic; insulin sensitivity; diabetes; plasma glucose; gastric emptying; food intake.
 New formulations comprising an exendin or exendin agonist peptide used for increasing the sensitivity of a subject to insulin to treat diabetes.
 Check: 2215
 Type: P
 29
 aab11190 ; exendin agonist peptide SEQ ID NO 98.
(from "seq5ags.pep")
TOIG of: aab11190 check: 2649 from: 1 to: 29
 2005 13:32
Example 104; Page 170; 281pp; English.
 Example 105; Page 170; 281pp; English.
 Kolterman O;
 exendin agonist peptide SEQ ID NO 98
 HGEGTFTSDASKQLBEBAVRLFIEFLKNGGPSS
 Æ
 AAB11190 standard; peptide; 29
 AAB11189 Length: 33 February 4, Found using 'seq5' (mohamed337.key
 14-JAN-2000; 2000WO-US000902.
 14-JAN-1999; 99US-0116380P.
10-JAN-2000; 2000US-0175365P.
 (first entry)
 (AMYL-) AMYLIN PHARM INC.
 Young A, L'italien JJ,
 or reducing food intake
 intake
 1 match found in sequence:
 WPI; 2000-514584/46.
```